# Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

June 16, 1958



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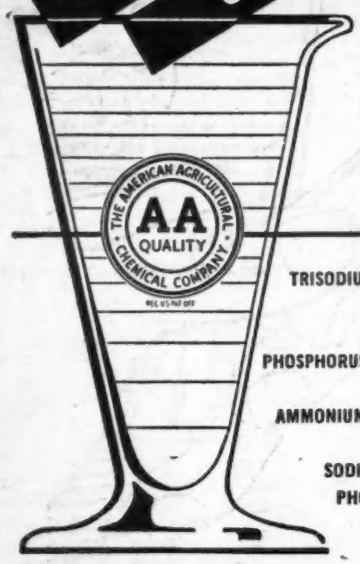


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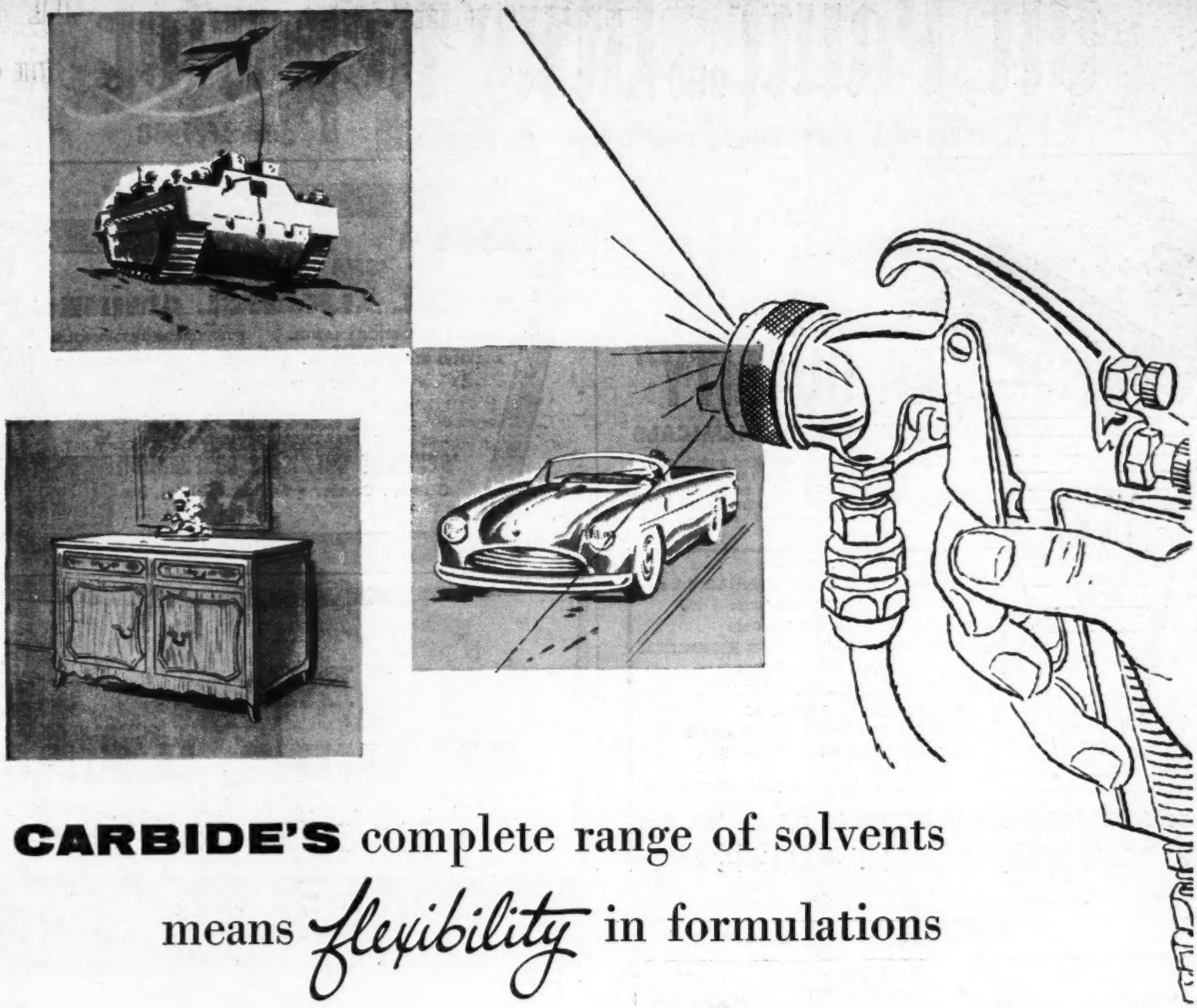

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Vol. 173 No. 25 30 Church St., New York 7, N. Y. June 16, 1958

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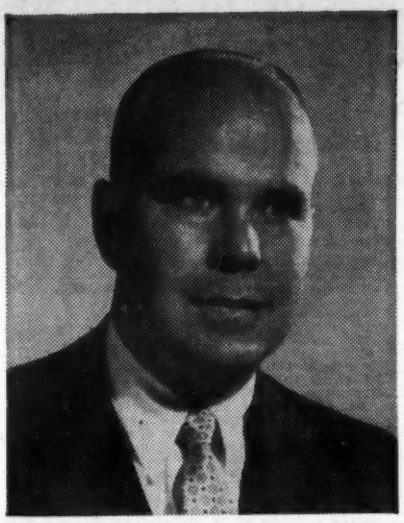

**BORDEN EXECUTIVE V. P.: Eugene J. Sullivan, vice-president in charge of sales of the Borden Chemical Company, New York, for the past year and a half, who will become executive vice-president of the firm on July 1.**

# DuPont Stockholders May See Congress Coming to the Rescue In GM Antitrust Case Ruling

Stockholders of E. I. duPont de Nemours & Co., who have been hit hard by the recent decision of the Supreme Court of the United States in the duPont-General Motors Corporation antitrust case, may yet find that congress will come to their rescue and save the day. Right now, one of its members, J. Allen Frear, a senator from duPont's home state of Delaware, is offering his help in attempting to put through congress a nullification of an Internal Revenue Service ruling that would be expensive to the holders of duPont stock.

Sen. Frear's measure, introduced last week in the senate, would void the IRS ruling that stock distributions in forced corporate distribution cases must be treated as ordinary income for tax purposes by the receiving taxpayers.

**Same as 'Involuntary' Treatment**

His bill would accord the same treatment to such "income" as is currently provided by law in the case of involuntary distributions in public utilities and bank holding companies. That is, such "income" would be subject to the capital gains tax only—the tax to be paid at the time it is later sold by the taxpayer.

The senator said that his bill would make it possible to carry out the government's antitrust policy without doing a grave injustice to millions of Americans who are shareholders in business corporations. While offered as a separate proposal in the senate, Mr. Frear may seek to have it included as an amendment to one of the tax bills now going through the legislative mill.

Sen. Frear said that his bill was prompted by the IRS ruling that distribution of the duPont company's 63 million shares of General Motors stock to duPont stockholders, as sought by the Department of Justice in a proposed decree now before the Chicago district court, would be taxable as ordinary income to the 185,000 shareholders.

The Wilmington, Del., chemical company told the Chicago court the tax penalty would approximate $680 million, and in addition, the 900,000 stockholders of both duPont and General Motors could

—Continued on page 60

**BDSA CHEMICAL ADVISER: Dr. A. J. Weith, jr., commercial development manager for the organic chemicals division of American Cyanamid Company, New York, who is next in line for appointment as industry adviser to the chemical and rubber division of Business and Defense Services Administration. Dr. Weith is expected to succeed Robert M. Prather of Merck & Co., Rahway, N. J., in the BDSA post about July 1.**

# Copper People Like Stockpiling So Do Others

The producers of copper like the government plan to stockpile their metal very much. The lead and zinc people, although they have not been invited in as yet, think the plan is a good one and are asking, "How about us?"

The idea for stockpiling was voiced last week by Secretary of the Interior Fred A. Seaton at hearings on the administration's over-all minerals stabilization bill.

The stockpiling plan was decided upon after mining state senators, reflecting the sentiment of the industries within their states, called on Mr. Seaton to urge such a program.

They had asked that the government purchase 175,000 tons at 27½ cents a pound. Sen. James E. Murray of Mont., who led the delegation that called on Mr. Seaton, immediately promised his cooperation in getting the necessary appropriations through congress to finance the purchases.

**Stockpiling Substitute**

The copper stockpiling program is to be a substitute for the copper stabilization plan contained in the legislation which also covers lead, zinc, tungsten and acid grade fluorspar. The bill proposed to stabilize the price of copper at 27½ cents a pound by making subsidy payments to domestic producers equal to the difference between the market and price peg, up to a total of 1 million tons.

The lead and zinc producers, although they liked the idea of stockpiling pointed out that that plan would not accomplish its ultimate objective unless it was accompanied by measures that would restrict imports.

The government's program of stockpiling copper would hold for one year in a move to strengthen the price of the metal and lift some of the pressures off American miners.

Testimony last week on the minerals stabilization program indicated support only among the tungsten producers, but only as an emergency action pending the imposition of higher tariffs.

In addition to representatives from the metals industries, the American Farm Bureau Federation joined in the attack on the grounds that the program would be only the start of a broader subsidy program touching all industries faced with competition from imports.

Theodore E. Veltfort, of the Copper & Brass Research Association, called the bill a "palliative" which, under the conditions now facing the brass mills, would be ineffective. He also criticized the difficulties of its administration and its probable costs.

What the copper producers need is the restoration of the markets here, he said, which calls for tariffs high enough to en-

—Continued on page 52

# Plastic Wiring Market Set as Allied Objective

Allied Chemical Corporation is paving the way for a serious assault on the 64-million-pound thermosetting - plastics wiring device market. The attack begins next month with the opening of a wood-filled urea plastics plant—said to be the first of its kind in the country—at Edgewater, N. J. The plant will be operated by the New York company's new plastics and coal chemicals division.

Allied estimates that some 34 million pounds of phenolic molding powder went into surface-base wiring devices, wall plates, electrical sockets, electrical flip switches, light sockets, circuit breakers and circuit boxes in 1957.

In the packaging field, the company says, the new product will compete with approximately 30 million pounds of thermosetting molding compounds annually channeled to this use, 12.5 million pounds of which is alpha cellulose filled urea.

The material on which the company is staking its bid has not been produced in the country since 1955. Previous production was confined to a low-cost general purpose brown, and was discontinued because of manuacturing difficulties and high processing costs.

Allied describes the new material as roughly equivalent to phenolic in price and surpassing phenolic in colorfastness and arc resistance. The product differs from the more expensive alpha cellulose filled urea molding compound in that its filler is finely ground wood flour rather than bleached wood pulp. Physical characteristics are comparable although it does not match alpha cellulose filled urea's color translucency or range.

# Purex Acquires Control Of Allen B. Wrisley Co.

Purex Corporation, Inc., has acquired control of Allen B. Wrisley Company of Chicago. The basis was an exchange of one Purex share for six shares of Wrisley common stock.

One Chicago source placed an evaluation of $1.2 million on Wrisley. The company will become a wholly-owned subsidiary of Purex.

Wrisley is the third major acquisition made by Purex since 1955. In that year the company purchased Old Dutch Cleanser Division of Cudahy Packing Company. Manhattan Soap Company was bought the following year.

Purex reported consolidated sales of over $50 million for the fiscal year ending June, 1957, and net of $1,908,000.

# Schering Builds Laboratory For Antibiotic Production

Schering Corporation, Bloomfield, N.J., is taking steps to fill in an antibiotic gap in its pharmaceutical ranks.

First move in this direction is the start of construction on a new $1.5 million microbiological research and development laboratory at Union, N.J.

The new building, according to Francis C. Brown, president of Schering, will provide the company with facilities to seek a new broad spectrum antibiotic. Present facilities are geared to study new microbiological reactions on a bench or laboratory scale.

According to Dr. Brown, the new laboratory will give Schering the facilities to carry the processes through to the product development stage.

Scheduled for completion within a year, the new building will be Schering's introduction into the antibiotic field.

# Vick Chemical Set To Buy Walker Labs

Vick Chemical Company is breaking into the vitamin and nutrition field and extending itself in a business area in which it already has holdings: ethical pharmaceuticals.

The New York firm is completing plans to buy Walker Laboratories, Inc., Mount Vernon, N. Y. The purchase awaits okay by Walker stockholders at a June 20 meeting and will become effective July 2.

Walker produces vitamin and nutritional specialties prescribed by the medical profession. The purchase, according to Vick, is part of Vick's continuing diversification program in the health field.

Vick's other ethical pharmaceutical divisions are Wm. S. Merrell Company and National Drug Company. Merrell produces organic chemicals and chemotherapeutics

—Continued on page 66

# Paint Company Organized

A new company, West Indies Paint, Ltd., Kingston, Jamaica, has been organized by Andrew J. Duncan, Cleveland, Ohio, lawyer, for the manufacture of Glidden Company paint products. Mr. Duncan is a former manager of overseas business for Glidden.

# Grace Forges a Link For Its Canadian Chain

W. R. Grace & Co., has made its second move in a year to set up production facilities in Canada.

Last week the New York firm opened a plastic film manufacturing plant in Toronto Township just outside of Toronto, Ontario. The plant, said by Grace to have cost between $1 and $2 million, will be operated by Cryovac Company, a subsidiary of Grace, and will manufacture plastic bags.

Previously, Grace's Davison Chemical Division put up a petroleum catalyst plant in Montreal. The moves are attributed by Grace to a growth in potential and demand in Canada.

## *Barium Chloride Probe Is Off Until Next Month*

The Tariff Commission has postponed public hearings on its investigation into barium chloride imports until July 15. The hearings were originally scheduled for June 24.

The investigation—to determine whether concessions granted under the General Agreement on Tariffs and Trade are injuring domestic producers—is being made at the request of Barium Reduction Corporation, South Charleston, W. Va.

# Trade Bill Fighters Now Have Their Sights on Senate

Protectionist forces, roundly defeated in the house, are now training their sights on the senate in an effort to win some tightening changes in the administration's trade agreements extension bill.

But indications are that the White House has stopped making concessions and will put up a stiff fight against any other attempts to curb the power of the President in negotiating further tariff cuts.

The crushing defeat suffered by the protectionist bloc in the house last week has definitely stiffened the administration's position in the tariff fight and has made it almost certain that the bill, when finally passed, and sent to the White House will be in accord with the President's aims.

The senate has traditionally been more favorable to the trade agreements program than has the house and with passage of the bill in the house the biggest legislative hurdle is believed passed.

The heavy majority votes won by the administration in the house fight came as a surprise to the proponents as well as to the opponents of the bill. The test came on the substitution of the Simpson bill with its two-year extension and other changes in the law for the administration's bill, HR 12591. It was defeated on a roll call vote of 234 to 147, a margin of eighty-seven votes.

Three years ago when the issue of extension of the program was last before congress, the administration escaped having its bill changed by the protectionist bloc by the narrow margin of seven votes. In a second house test last week the margin of victory was even greater. The house refused to recommit the bill by a vote of 268-146.

On final passage the vote was 317-98. The bill sent to the senate for its con-

—Continued on page 60

# Administration Blows Up Plans For Increasing Supply of Helium

The administration is blowing up its plans for increasing the supply of helium for industry and defense. Last week President Eisenhower asked congress for $11,280,000 to put up a new helium extraction plant at Keyes, Okla. If approved, the plant should be functioning within a year. With demand for helium outpacing supply, the Department of the Interior last April contracted with the Colorado Interstate Gas Company, Colorado Springs, Col. to give the Bureau of Mines exclusive rights to extract helium from the natural gas produced by the company in the Keyes field.

The appropriation request last week was the first step towards making use of the contract.

The $11 million appropriation plus an additional $1,120,000 which the mines bureau has on hand from previous appropriations will make possible the erection of a plant capable of producing 290 million cubic feet of helium annually. The mines bureau is ready to go with plans for construction as soon as the money is available.

**Keyes Field Opened Way**

The Keyes field contract opened the way for conserving a large supply of helium now being lost. Natural gas in this field now going direct to fuel markets contains about 2 percent helium. Both this content and the size of the reserve are considered "above average" among helium bearing gases in the nation.

The plant to be built by the government is something of an emergency measure being put into operation pending completion of a program under consideration to encourage private industry to get into the field of helium production. Finishing touches are now being put on legislation to be sent to congress, revamping the helium act to permit the government to purchase helium from private sources.

It is estimated by Bureau of Mines experts that private industry could profitably build twelve plants for extraction of helium, so great is the potential demand for this gas. Demand in this country has jumped from about 40 million cubic feet a year shortly after World War II to nearly 365 million cubic feet today.

Under the program now in the making, it is intended that the government will guarantee to take the entire output from the twelve plants built by private indus-

—Continued on page 41

### *Chemical Firms Get Three Safety Awards*

Three chemical companies received Lammot duPont Safety Awards last week in White Sulphur Springs, W. Va., during the eighty-sixth annual meeting of the Manufacturing Chemists' Association.

They are the United States Rubber Company, New York; Royce Chemical Company, Carlton Hill, N. J., and Tennessee Corporation, Atlanta, Ga.

The winner among companies whose employees worked more than two million man-hours a year was U. S. Rubber's Naugatuck Division, with a decrease of 59 percent in its accident frequency rate. Runner-up was American Potash & Chemical Corporation, Los Angeles.

Royce and Tennessee Corporation tied for first place in the category for firms with an exposure of two million man-hours or less. Each has a 100 percent decrease in its accident frequency rate.

## DuPont Purchases Patents of Enka Corp.

Aiming to remove possible patent conflicts in the textured yarn field, E. I. duPont de Nemours & Co., Wilmington, Del., has acquired certain United States patents and patent applications of American Enka Corporation, New York, relating to textured yarn processes.

The action should prevent possible conflicts that could have been troublesome to the textured yarn licensees of both companies, duPont said.

The Wilmington company has been li-

—Continued on page 38

## Phenolic Molding Materials Prices Are Cut by Durez

Hooker Chemical Corporation's Durez Plastics Division, Niagara Falls, N.Y., has reduced the price on several of its phenolic molding materials. Four general purpose and two heat-resistant molding compounds were reduced 2 cents per pound and four molding compounds of the closure type were reduced 1 cent per pound.

## Union Carbide Reduces Technical Acetophenone

A price cut on technical grade acetophenone to less than 50 percent of its former price level was made last week by Union Carbide Chemica's Company, New York. The move was made partly as a result of economies derived from larger volume production, and partly as a measure designed to stimulate expanded end uses.

Under the new price schedule, prices f.o.b. producing plant stand at 35 cents per pound in tankcars, 37 cents in carlot drum quantities, and 37¾ cents per pound in less than carlot drum shipments.

## *The Week's Price Changes*

**Fishmeal, Fishscrap, Lime Oil, Poppy Seed Advanced. Actophenone, Citronella Oil, Tankage Reduced.**

**Prices Advanced**

Caraway seed, Dutch, ½c. per lb. (p. 56).
Polish, ¼c. per lb.
Celery seed, French, 1c. per lb. (p. 56).
Cocoa butter, 1c. per lb. (p. 62).
Fishmeal, $2 per ton (p. 39).
Fishscrap, $2 per ton (p. 39).
Ginger, Cochin, ½c. per lb. (p. 56).
Lime oil, Mexican, 25c. per lb. (p. 56).
Mustard seed, Montana yellow, 1½c. per lb. (p. 56).
Nutmeg, East Indian, 5c. per lb. (p. 56).
Pepper, Malabar black, ¾c. per lb. (p. 56).
Lampong black, 1c. per lb.
Muntok white, ¼c. per lb.
Poppy seed, Dutch, 1c. per lb. (p. 56).
Polish, 1c. per lb.
Soybean meal, $4.50 per ton (p. 62).
Tin, ¼c. per lb. (p. 34).

**Prices Reduced**

Actophenone, tech., dms., l.c.l., 37¼c. per lb. (p. 40).
Balsam, Copaiba, 10c. per lb. (p. 56).
Peru, 5c. per lb.
Tolu, 40c. per lb.
Beeswax, African, crude, 1c. per lb. (p. 62).
Bois de rose oil, Brazilian, 20c. per lb. (p. 56).
Cassia, Batavia "A," 5c. per lb. (p. 56).
"B," 2c. per lb.
"C," 5c. per lb.
Korintje "A," 5c. per lb.
"B," 2c. per lb.
"C," 5c. per lb.
Cedarleaf oil, 35c. per lb. (p. 56).
Citronella oil, Java type, 5c. per lb. (p. 56).
Coconut oil, crude, ¼c. per lb. (p. 62).
Copper cyanide, 2½c. per lb. (p. 34).
Copra, $3 per ton (p. 62).
Corn oil, 95% foots, ½c. per lb. (p. 62).
Corn oil, crude, ¼c. per lb. (p. 62).
Refd., ½c. per lb.
Cottonseed oil, crude, ½c. per lb. (p. 62).
Refd., ½c. per lb.
Diphenylguanidine, 5c. per lb. (p. 44).
Dried blood, Chicago, 50c. per unit-ton (p. 39).
Fennel seed, French, ½c. per lb. (p. 56).
Indian, ¾c. per lb.
Lard, cash, 1/10c. per lb. (p. 62).
Methyl parathion, c.l., 7c. per lb. (p. 39).
Myrobalans, gen. J-1's, $3 per ton (p. 47).
gen. J-1, crushed, $8 per ton.
Bombay, $8 per ton.
Nitro-sludge, 50c. per unit-ton of ammonia (p. 39).
Peanut oil, crude, ¼c. per lb. (p. 62).
Refd., ¼c. per lb.
Pimento, Mexican, ½c. per lb. (p. 56).
Potassium cyanide, 2½c. per lb. (p. 34).
Soybean oil, 95% foots, ¾c. per lb. (p. 62).
Soybean oil, crude, ¾c. per lb. (p. 62).
Refd., ¾c. per lb.
Tankage, Chicago, 25c. per unit-ton (p. 39).

**OPD Price Index**

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:

(100=1949 average)

| June 13, 1958 | June 6, 1958 | June 14, 1957 |
|---|---|---|
| 109.79 | 109.82 | 110.33 |

# Dewey Quits 'Retirement' Again

Bradley Dewey, a venerable personality on the American business scene, has come out of "retirement" again to form a new company—Hampshire Chemical Corporation, in Nashua, N. H. Mr. Dewey is chairman of the board of the new concern, which plans to open its doors for business within the next two weeks. He is a retired founder of Dewey & Almy Chemical Company, now a division of W. R. Grace & Co., and of Bradley Container Corporation, which was sold to American Can Company.

Hampshire Chemical will research, produce and market a new group of chemical specialties, including nickel and copper stripping compounds, bottle washing compound additives, high-kill slimicides and certain synthetic amino acids with broad applications throughout agriculture, industry, science and medicine.

Dr. John J. Singer is Hampshire Chemical's president. Mark Weisberg is vice-president in charge of research and Alfred A. Lawrence is vice-president in charge of sales.

Dr. Singer, in his middle thirties, was formerly president of United Chemical

—Continued on page 41

Bradley Dewey

## Hercules Rosin Size Prices Will Stand in 3rd Quarter

Hercules Powder Company plans to hold steady on prices for all grades of rosin size, both pale and dark, during the approaching third quarter.

The current schedule for pale grades is: 70 percent pale paste rosin size, $7.51 in tankcars; 70 percent pale paste "Pexol," $9.51 in tankcars; dry X rosin size, $11.45 in carloads, and dry "Pexol," $14.45 in carloads. These prices are per 100 pounds, f.o.b., southern producing points.

## Arapahoe Adds to List

Arapahoe Chemicals, Inc., Boulder, Colo., has added pivalic acid and neopentyl alcohol to its projected series of sterically hindered compounds.

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## West-Soviet Score on Drug Discoveries

| DRUG GROUPS | THE WEST | USSR |
|---|---|---|
| Anti-Diabetics | Rx | 0 |
| Vitamins | Rx | 0 |
| Sulfa Drugs | Rx | 0 |
| Antibiotics | Rx | 0 |
| Hormones | Rx | 0 |
| Anti-Hypertensives | Rx | 0 |
| Mental Health Drugs | Rx | 0 |
| TOTAL | 7 | 0 |

# Synthetic Resin Industry Is Seen Gaining From Spray-on Insulation

Sprayed-on insulation appears to be a coming thing in refrigeration as well as in the pipe-covering field. And, beginning with the first coat, the synthetic resins people are going to benefit. Two Dow Chemical Company men—William C. Goggin and Robert N. Kennedy—are sure of this. They say the method offers attractive economic possibilities over the old ways and should, therefore, present a good market for the makers of resins.

Harry B. McClure

Recently, technics have been developed that make the spraying of urethane foams on the walls of refrigerated spaces a simple procedure, say the two men, both of the plastics technical service of Dow.

*This story is based on a paper presented at last fortnight's meeting of the Commercial Chemical Development Association in Niagara Falls, N.Y., concerning the use of synthetics in construction.*

They point out that a number of test installations have been made and that equipment and technics for spraying urethane foams are being developed and evaluated.

In a similar application, phenolic foams might well be used with the reactive mixture poured between temporary wall studs, they say as they add:

"The excellent characteristics of these cellular foams and the many new technics that are being developed indicate a bright future for these products in the insulation of refrigerated spaces."

Here are some other things they point out about the new use for plastics:

"Insulation characteristics for pipe and equipment are like those for refrigerated spaces except that an additional requirement of solvent or chemical resistance may be necessary. The insulation sup-

—*Continued on page 42*

# MCA Elects McClure New Board Chairman

Harry B. McClure is the new board chairman of Manufacturing Chemists' Association. Mr. McClure, vice-president of Union Carbide Corporation, New York, was elected last week at the association's eighty-six annual meeting in White Sulphur Springs, W. Va.

He succeeds Ernest Hart, president of Food Machinery & Chemical Corporation, San Jose, Calif.

John T. Connor, president of Merck & Co., Rahway, N. J., succeeds Mr. McClure as chairman of the executive committee.

John E. Hull, president of the association and a director, was re-elected.

Chosen for another term as vice-president was D. S. Frederick, vice-president of Rohm & Haas Company, Philadelphia.

—*Continued on page 43*

# Synthetic Rubber Plant Is Slated for Expansion

Goodrich-Gulf Chemicals, Inc., Cleveland, Ohio, has slated a $1 million expansion program for the production facilities of its synthetic rubber plant at Institute, W. Va.

The expansion will increase the plant's production of crumb rubber. An extruder dryer for production of high quality extrusion-dried electrical grade rubbers and other special polymers will also be installed. The installation of that equipment is expected to be completed by the latter part of October.

# US, Soviet 'Longevity Race' Proposed by Merck President To Gauge Progress in Health

John T. Connor, president of Merck & Co., wants the Soviet Union to get into what he calls a "longevity race" with the United States. The winner of the race would be the country that first was able to raise the average life expectancy of its people to age seventy-five. The only real loser would be disease, the head of the Rahway, N. J., pharmaceutical house told members of the Manufacturing Chemists' Association at the annual meeting in White Sulphur Springs, W. Va., last week.

Mr. Connor proposed the race after pointing up what he calls the "remarkable record of Soviet medical progress, which is virtually unknown to the American public."

The average length of life in 1956 was 69.5 years in the United States and a claimed sixty-seven in the Soviet Union, Mr. Connor pointed out.

**Hull Gives Review**

On the speaking program with Mr. Connor was John E. Hull, president of the association, who, in his annual report, reviewed the activities of the organization during the past year, with special emphasis on public relations.

Quoting Soviet sources, which he said we must accept with caution, Mr. Connor examined little known key facts about Russian medicine. Since their Revolution, he said, the Soviets have mass produced doctors at a "startling" rate and by 1956 had 25 percent more physicians per capita than the United States: 164 per 100,000, compared with 130 per 100,000 in the United States. Soviet medical schools are now turning out doctors at better than twice our annual rate—16,000 a year, compared with 7,000 in this country, he added.

The most objective and readily understood yardstick for measuring the results of a nation's health program, Mr. Connor pointed out, is the longevity rate. At the time of their Revolution, Russian life expectancy at birth was only forty years. As late as 1927, it was only forty-four years and still more than a quarter of a century behind the United States. By 1956, Mr. Connor said, the Soviets "had pulled themselves up to within reaching distance," or only two and one-half years behind us.

In the face of this rate of progress, the longevity race promises to be a tough one, Mr. Connor observed. He then pro-

—*Continued on page 45*

# DMEA Friends Put Up Strong Last Ditch Fight

Congressional friends of the Defense Minerals Exploration Administration are fighting hard to put the agency on a permanent footing. Led by senators from the mineral states, a pro-DMEA movement last week succeeded in pushing a bill through the minerals subcommittee that would make permanency a fact. However, just in case its friends fail, DMEA is making plans to close shop June 30 when its funds run out.

Organized in 1951 to encourage exploration for critical and strategic minerals and metals by making federal grants to cover part of the expenses of such undertakings, the agency is currently under the supervision of the Office of Defense Mobilization but operated through the Department

—*Continued on page 43*

## Polyvinyl Chemicals Elects

Polyvinyl Chemicals, Inc., Peabody, Mass., has elected Daniel B. Witwer vice-president. Mr. Witwer, formerly manager of the acetylene chemicals department of General Aniline & Film Corporation, will be primarily responsible for Polyvinyl Chemicals sales, research and manufacturing departments.

Edward Block

# Olin Mathieson Units Now Fully Integrated

Olin Mathieson Chemical Corporation, New York, now has an organizational set-up of seven industrial divisions to replace its previous format of fourteen individual operating units. Involved in the New York firm's consolidation move is the integration of eleven former divisions into four new divisions while the Squibb, Winchester-Western and international divisions continue their original structure.

The four new divisions and the vice-presidents heading them up are: chemicals, Edward Block; metals, Jess E. Williams; packaging, Robert H. Evans, and energy, Carroll Copps.

Mr. Block is a former vice-president in charge of Olin Mathieson's agricultural and phosphate chemicals division; Mr. Williams was formerly vice-president and general manager of the Western Brass Division; Mr. Evans was a vice-president in charge of the company's forest products division, while Mr. Copps joins Olin Mathieson from Atlas Powder Company, where he was senior vice-president, a director and a member of the executive committee.

# Pittsburgh Plate to Open Polyester Resin Facilities

Pittsburgh Plate Glass Company puts its facilities for the production of polyester resins for urethane foam into operation this week at the Ditzler Color Division plant in Detroit, Mich.

The Pittsburgh company late last year announced commercial availability of its new line of flexible foaming resins known as dimer polyester.

## *Borden Makes 'Epiphen' At New Bainbridge Unit*

Borden Company, New York, is now producing "Epiphen" modified novolac epoxy resins in a recently-completed plant at Bainbridge, N. Y.

Manufactured by Borden's resins and chemicals department, the "Epiphen" epoxies can be room-temperature or heat cured to yield what is said to be excellent chemical and heat resistance. Heat distortion temperatures in excess of 500 degrees Fahrenheit have been attained without fillers. Adhesion to both porous and non-porous materials is described as extremely good

# Carter, Swinging for Fences, Is Beating Recession

Carter Products, Inc., a pharmaceutical big leaguer, is swinging for the fences in order to beat the recession—and with the way Carter's lineup is hitting, the company is well ahead of the game.

Here's what H. H. Hoyt, president of the New York firm, told the New York Society of Security Analysts last week:

"Net profits after taxes reached an all-time high for the company, being approximately $5.6 million compared with $4,473,000 for the preceding year, an increase of about 25 percent. Earnings per share were $2.18, as against $1.74 for fiscal 1957.

"Sales in the fiscal year just ended were about $42.5 million compared with $41,836,000 the previous year."

To fight the recession trend, Carter presents a formidable batting order: "Arrid" deodorant, "Nair" depilatory, and "Rise" shaving cream. All three rank number one in their fields in terms of total package sales, according to Mr. Hoyt.

Batting cleanup for Carter is meprobamate, marketed by the company as "Miltown," currently its most important product. Mr. Hoyt believes that "sales of meprobamate exceeded those of any other tranquilizer last year and accounted for about 30 percent of tranquilizer sales in retail drug outlets."

Further down in the batting order is "Carter's Little Liver Pills," a long established proprietary which, together with Carter's other proprietaries, accounts for about 12 percent of the company's sales.

Ethical drugs have the highest batting average, accounting for 54 percent of Carter sales, while toiletries are second, with 34 percent of the company's total marketing picture.

And Carter isn't standing pat with its

—*Continued on page 50*

*versatile*
*CSC emulsifier*
*and chemical*
*intermediate*

$CH_3C(CH_3)NH_2CH_2OH$

# AMP

## 2-AMINO-2-METHYL-1-PROPANOL

## use AMP as an emulsifier

AMP oleate is an economical emulsifier in water-wax emulsions. That's because AMP oleate is effective in lower concentrations than are required for comparable performance with other amine soaps. Emulsions made with relatively low concentrations of AMP oleate are stable and unchanged after repeated freeze-thaw cycles and heat stability tests. In properly formulated floor wax emulsions, AMP oleate imparts high gloss and excellent leveling characteristics.

The higher fatty acid soaps of AMP are powerful emulsifying agents in cleaners, polishes, dressings, self-polishing floor waxes, and emulsion-type paints. Evaporation loss and objectionable fumes are minimized during emulsion manufacture, due to AMP's relatively high boiling point. Films deposited from AMP-made emulsions have excellent water resistance and durability.

## use AMP as a chemical intermediate

AMP forms substituted amides with esters, anhydrides, and acyl halides. AMP also reacts with alkyl halides, aldehydes, ketones, carbon disulfide, and many other compounds. These reactions suggest the use of AMP in the synthesis of surface-active agents, detergents, and vulcanization accelerators for rubber.

**PHYSICAL PROPERTIES**

| | |
|---|---|
| Molecular Weight | 89.14 |
| Boiling Point, at 760mm | 165°C |
| Melting Point | 30-31°C |
| Specific Gravity at 20/20°C | 0.934 |
| pH of 0.1M Aqueous Solution at 20°C | 11.3 |
| Solubility | Miscible with water, aromatic hydrocarbons, alcohols, esters. Insoluble in aliphatic hydrocarbons. |

**SPECIFICATIONS**

| | |
|---|---|
| Neutral Equiv. | 88.5-91.0 |
| Color, APHA, max. | 20 |
| Water, by wt., max. | 0.8% |
| Distill. Range | 156°C-177°C |
| Below 161°C, max. | 10% |
| Above 168°C, max. | 5% |
| Odor | Characteristic |
| Non-volatile matter by weight, max. | 0.005% |

**OTHER AMINOHYDROXY COMPOUNDS**

AMPD (2-Amino-2-methyl-1, 3-propanediol) $CH_2OHC(CH_3)NH_2CH_2OH$

AEPD (2-Amino-2-ethyl-1, 3-propanediol) $CH_2OHC(C_2H_5)(NH_2)CH_2OH$

TRIS AMINO (Tris [hydroxymethyl] aminomethane) $(CH_2OH)_3CNH_2$

AB (2-Amino-1-butanol) $CH_3CH_2CHNH_2CH_2OH$

AMP is another important chemical derived from CSC's Nitroparaffins. For samples and additional information write to:

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CSC INDUSTRIAL CHEMICALS

**FOOD MACHINERY SCIENTISTS: Dr. Hans O. Kauffmann (left) named director of research and development for the inorganic chemicals department in the chemicals divisions of Food Machinery & Chemical Corporation, New York, and Dr. Oscar H. Johnson (right) named to a similar post in the organic chemicals department.**

# Tariffs Go Up or Chemical Industry Comes Down, Dow Economist Warns

Either tariffs go up or the chemical industry comes down. This rephrasing of a physical law to fit an economic situation is the gist of a terse warning delivered last week to the Synthetic Organic Chemical Manufacturers Association. Dr. Lewis E. Lloyd, Dow Chemical Company economist, relating his warning to the present economic crisis as well as to the trade agreements act pending in congress, noted that 'a lot of management people have been learning recently that when profits slump, jobs disappear."

"Imports are now cutting into US chemical profits and will cut still further. If we are to maintain a strong, growing chemical industry in this country with expanding opportunities, we must assure American producers a chance to compete in the domestic market."

**Profits Made Growth**

"Few people seem to realize," Dr. Lloyd said "that the phenomenal growth of the chemical industry has been possible only because of better-than-average profits; and that if profits dwindle, so will growth. Good profits are a prerequisite to growth because they are needed to support the large research budgets and the obsolescence costs and because they are needed to attract the large amounts of capital for expansion."

What damage is done to the chemical industry when it isn't protected against imports by adequate tariffs? In answer to this question Dr. Lloyd, who describes himself as a onetime "free-trader myself," said that profits are pulled down. In addition to this, he added the imports "not only take part of the market and cut

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## *Tungsten Hearings Are Set for July 29*

Tariff Commission has scheduled hearings for July 29 in connection with its investigation of imports of tungsten ore and concentrates into the United States.

The inquiry is being made at the direction of the senate finance committee. Interested parties desiring to appear and to be heard at the hearing should notify the secretary of the commission at least three days prior to the date of the hearing.

# Mint Crop Acreage Takes Sharp Nosedive

The first official estimate of the acreage planted to mint oils this year indicates sharp setbacks both for peppermint and spearmint. The crop reporting board of the Department of Agriculture last week placed the peppermint acreage at 42,500 acres, 13 percent below last year's record acreage and slightly below average. The spearmint crop was estimated at 12,100 acres, also 13 percent less than a year ago and 25 percent below average.

The board said of the peppermint acreage that with the exception of Washington, all states report a decline in acreage. The greatest was in Indiana with an acre-

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# Druggists' Exhibition Set For Frankfurt in September

The 1958 International Druggists' Exhibition will be held in Frankfurt, Germany, September 19-23. The International Druggist Congress will meet concurrently with the exhibition.

The event is sponsored by the Association of German Druggists (Verband Deutscher Drogisten e.V.) and managed by the Frankfurter Messe-und Austel--lung-GMBH.

# Paint and Chemical Industries Can Find Construction Business A Big Buyer, CCDA Advised

The paint industry in particular and the whole chemical industry in general will find that the construction business is ready to be one of their best customers, if they tailor their products to meet the demands of the country's builders. That is a thought that is still turning over in the minds of Commercial Chemical Development Association members who have returned from the group's annual spring meeting in Niagara Falls, N. Y.

The CCDA members heard this prediction made last fortnight at a session that was based on the future of synthetic materials, in construction.

John C. Weaver, vehicle-research coordinator for Sherwin-Williams Company, Cleveland, Ohio, presented a paper on surface coatings in which he presented a list of "important, unfulfilled needs" on which the paint industry can work. The list included:

**Mr. Weaver's 'Needs'**

- Fungicides which will remain effective throughout the useful life of a paint and without adverse effects such as package corrosion, odor, dark colors, toxicity to plants and animals, disturbance of pigment properties and general lowering of durability.
- Bactericidal agents along the same lines.
- Yellow pigments of good permanence, low toxicity, low chalking rate and in clean, light tones.
- Solubility and recrystallization problems for other colors, such as blues, greens and reds, need solving, although there have been notable advances.
- Corrosion inhibition in water system paints for metals—a promising field of endeavor.

Mr. Weaver characterized these and two other needs as challenges to the paint industry. The other challenges, he said, are the need for improvements in thickeners for water systems and the need for better vehicles for fire retardant paint.

A paper on "Chemicals and the Construction Industry" was presented by Her-

—Continued on page 42

# Ammonium Sulfate, Nitrate Changes Set by Monsanto

The inorganic chemicals division of Monsanto Chemical Company, St. Louis, Mo., will change prices for ammonium sulfate on July 1, and ammonium nitrate August 1.

Effective July 1, granular ammonium sulfate will become $35 per ton in bulk and $40 per ton in bags, f.o.b. El Dorado, Ark. This is an increase of $1 per ton over present prices. Freight equalization will be allowed only against points producing granular ammonium sulfate.

Effective August 1, ammonium sulfate fertilizer will become $70 per ton, f.o.b. Monsanto's plants at Luling, La., and El Dorado, Ark. The present base price is $72 per ton, f.o.b.

A seasonal discount will be allowed from August through December, making the price $65 per ton in August; $66 in September; $67 per ton in October; $68 per ton in November; $69 in December; and $70 per ton January 1 through June 30, 1959.

At the company's option, freight and prices will be equalized to meet competition.

**ATLAS VICE-PRESIDENT: William C. Lytle, elected a vice-president of Atlas Powder Company, Wilmington, Del.**

# Chemical Transport Rates Seen In Slide

The costs of freighting the products of the chemical industry around the country soon may be entering a period of considerable adjustment—with the accent on the down side. Two important developments pointing in this direction are:

- The senate last week voted to give the railroads more leeway to cut their charges on the movement of chemicals and other traffic, and the house appeared set to follow suit, possibly this week.
- Proposed repeal of the 3 percent tax on transportation is rapidly heading towards a showdown, if not this week then probably the next when the senate

—Continued on page 53

# N.Y. AIC Honor Award Is Given to Dr. Herstein

The New York Chapter of the American Institute of Chemists presented its tenth annual honor award to Dr. Karl M. Herstein, president of Herstein Laboratories, Inc., at the group's recent annual honors meeting and dinner.

Dr. Herstein's citation read, "in recognition of unselfish and effective devotion to the profession of chemistry, of high personal standards and scientific integrity, of youthful curiosity and lifetime interest in mathematics, and particularly of genuine enthusiasm for and interest in people."

# *Association Meetings*

American Chemical Society, national meeting, Chicago, September 7-12.

Association of Consulting Chemists & Chemical Engineers, annual meeting, Biltmore hotel, New York, October 28.

American Society for Testing Materials, annual meeting, Statler and Sheraton-Plaza hotels, Boston, Mass., June 22-27.

Chemical Market Research Association, St. Paul hotel, St. Paul, Minn. November 12-13.

Chemical Specialties Manufacturers Association, annual meeting, Commodore hotel, New York, December 9-11.

**Drug, Chemical & Allied Trades section of New York Board of Trade, spring luncheon meeting, Waldorf-Astoria hotel, New York, June 17.**

Drug, Chemical & Allied Trades section of New York Board of Trade, annual meeting, Sagamore hotel, Bolton Landing, Lake George, N. Y., September 11-14.

Drug, Chemical & Allied Trades section of the Young Men's Board of Trade, annual Young Man of the Year award dinner, Park-Sheraton hotel, New York, October 16.

Electrochemical Society, 114th meeting, Chateau Laurier, Ottawa, Canada, September 28-October 2.

Federation of Paint & Varnish Production Clubs, annual convention and show, Cleveland Public Auditorium, Cleveland, Ohio, October 5-8.

Federal Wholesale Druggists' Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 7-10.

Food, Drug and Cosmetic Law Division of American Bar Association, annual meeting, University of Southern California School of Law, Los Angeles, August 26.

**Gordon Research Conferences, Colby Junior College, New London, N. H.; New Hampton, School, New Hampton, N. H., and Kimball Union Academy, Meriden, N. H., June 9-Aug. 29.**

National Agricultural Chemicals Association, annual meeting, Bon Air hotel, Augusta, Ga., October 29-31.

National Association of Retail Druggists, annual meeting, Convention Hall, Philadelphia, September 28-October 2.

National Chemical Exposition, sponsored by Chicago section of American Chemical Society, International Amphitheatre, Chicago, September 9-12.

National Paint, Varnish & Lacquer Association, annual convention, Shoreham and Sheraton-Park hotels, Washington, D C., October 27-29.

National Wholesale Druggists Association, annual meeting, Americana hotel, Bal Harbour, Fla., November 8-13.

**National Plant Food Institute, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., June 15-18.**

National Plastics Exposition, sponsored by Society of Plastics Industry, International Amphitheatre, Chicago, November 17-21.

Salesmen's Association of the American Chemical Industry, chemical sales clinic, Roosevelt hotel, New York, October 20.

Society of Chemical Industry, American section, chemical industry medal dinner, Royal York hotel, Toronto, Ont., September 18.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, September 9.

Toilet Goods Association, annual convention, Poland Spring hotel, Poland, Me., June 25-29.

# A VERSATILE ANTIHISTAMINE PYRILAMINE MALEATE MERCK

**LOTIONS, CREAMS, AND OINTMENTS:** PYRILAMINE MALEATE MERCK can be a valuable component of any of these formulations. Its outstanding effectiveness as a histamine antagonist can build consumer acceptance for your dermatologic preparations.

**COLD TABLETS AND SYRUPS:** PYRILAMINE MALEATE MERCK is compatible with a wide variety of analgesics and antipyretics commonly used in cold preparations. Its substantial margin of safety makes pyrilamine especially suitable for over-the-counter products of this type.

**COUGH SYRUPS:** The local anesthetic properties of PYRILAMINE MALEATE MERCK add a soothing quality to cough formulations and its antihistaminic action reduces allergy-induced congestion, if present. Because of these advantages pyrilamine can help popularize your product.

**ALLERGY PREPARATIONS:** Assistance in formulating antiallergy preparations and other products containing PYRILAMINE MALEATE MERCK is available on request. Merck will also supply information on approved dosage levels and other technical and commercial data.

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CHEMICALS AND RELATED MATERIALS

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# Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, June 13 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

## A

Abies siberica oil, cns. lb. 3.60 - 4.25

Acacia (see Arabic gum).

Acenaphthene, below 92.5 C. m.p., dms., works lb. .40 - —

Above 92.5 C. m.p., bbls., dms., lb. .41 - .50

Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —

dms., l.c.l., works lb. .13½- —

tanks, works lb. .10 - —

Acetaldol (see Aldol).

Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld. lb. .32½- —

bbls., bgs., ton lots, frt. alld. lb. .33½- —

bbls., bgs., smaller lots, frt. alld. lb. .36½- —

USP, bbls., 225-lb. dms. any quantity, lots lb. .79 - —

100-lb. dms., any quantity lb. .81 - —

Acetic acid, comi. or redist, 28%, bbls 100 lbs. 4.80 - —

56%, bbls. 100 lbs. 8.25 - —

70%, bbls. 100 lbs. 9.95 - —

80%, bbls. 100 lbs. 10.45 - —

Acetic acid, glacial, syn., CP, dms., dlvd. 100 lbs. 22.00 -23.00

tech., dms., c.l., dlvd. 100 lbs. 13.75 - —

dms., l.c.l., dlvd. 100 lbs. 14.25 - —

tanks, dlvd. 100 lbs. 10.00 - —

USP, cbys., incl., dlvd 100 lbs. 31.00 -32.00

Acetic anhydride, aluminum ret. dms., c.l., dlvd. E. lb. .16½- —

aluminum ret. dms., l.c.l., dlvd. E. lb. .17½- —

tanks, dlvd. E. lb. .14 - —

Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —

fib. dms., l.c.l. dlvd. lb. .81 - —

Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd lb. 1.35 - —

fib. dms., l.c.l., dlvd. lb. 1.36 - —

Acetoacet-o-toluidide, fib. dms., c.l., dlvd. lb. .82 - —

fib. dms., l.c.l., dlvd. lb. .83 - —

Acetone, CP, dms., c.l., dlvd. lb. .11 - —

dms., l.c.l., dlvd lb. .12 - —

tanks, dlvd lb. .06½- —

Acetonitrile, dms., c.l., works lb. .45 - —

dms., l.c.l., works lb. .45¾- —

Acetophenetidin, USP, dms., works, frt. equald lb. 1.22 - 1.24

Acetophenone, cns., dms. lb. 1.30 - 1.60

Tech., dms., c.l., works lb. .37 - —

dms., l.c.l., works lb. .37¾- —

tanks, works lb. .35 - —

N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85

Acetylene black, imp., bgs., c.l., duty and freight extra lb. .19 - —

cs., l.c.l., ex whse lb. .24½- .30

Acetylsalicylic acid, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt. lb. .63½- —

USP, standard, fine, cryst. gran., (30-40 mesh) powd., (80 mesh), bbls., 1,000-lb. lots, same basis. lb. .58½- —

Freight equald, shipt identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .35½- —

non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .36½- —

tanks, frt. alld. E. of Denver, lb. .33 - —

Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39½- —

non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .40½- —

tanks, frt. alld. E of Denver lb. .37 - —

### Acids

Acid quotations, formerly grouped under one heading, are now listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Aconite root, bls lb. .50 - .55

Acrolein, tech., dms., c.l., works lb. .47 - —

dms., l.c.l., works lb. .47½- —

tanks, works lb. .46 - —

Acrylonitrile, dms., c.l., t.l., frt. equald lb. .30 - —

dms., l.c.l., t.t.l., frt. equald lb. .31 - —

tanks frt. equald lb. .27 - —

Adeps lanae (see Lanolin).

Adipic acid, bgs., c.l., dlvd. lb. .32¼- —

bgs., l.c.l., dlvd lb. .35 - —

Agar, USP, Kobe No. 1, strip, bls. lb. 1.90 - 2.00

powd., 30 mesh., fib., dms lb. 2.50 - —

dl-Alanine, dms., works lb. 8.50 -11.00

Albumin, blood, dark (see Blood, dried, soluble).

light, dms. lb. .63 - .85

Albumin, egg, edible, cryst., powd., bbls. lb. 1.23 - 1.25

flake lb. 1.19 - 1.21

tech., cryst., bbls lb. 1.08 - 1.10

### Alcohols

Alcohol quotations, formerly grouped under one heading, are now listed individually. For example, prices on Alcohol, furfuryl, may be found in the F's under Furfuryl alcohol.

## Abies Siberica Oil—Ammonium Bicarbonate

Aldol, 95%, dms., works lb. .23 - —

Denaturing grade, dms. gal. 2.15 - —

Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .90 - —

fib. dms., l.c.l., dlvd. lb. .95 - 1.05

Aletris root, bgs. lb. 1.75 - 1.85

Algin (see Sodium alginate)

Alizarin (see 1,2-Dihydroxy anthraquinone).

Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies lb. 2.38 - —

Alkali blue toner, litho flushed, 125-lb bbls., same basis. lb. 1.35 - —

Alkali blue prices 1c. higher W. of Rockies.

Allethrin, 90%, dms., frt. alld lb. 28.80 -28.90

Soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb 6.50 6.55

2½% dms. frt alld lb. .95 1.10

Allspice oil (see Pimento oil).

Allyl alcohol, dms., c.l., dlvd lb. .32½- —

dms., l.c.l., dlvd. lb. .33½- —

tanks dlvd lb. .30 - —

Allyl bromide 55-lb cbys. 5,005 lbs. or more works lb. 1.47 - —

55-lb. cbys. 1,045 to 4,950 lbs., works lb. 1.52 - —

55-lb cbys. 55 to 990 lbs. works. lb 1.57 - —

Allyl chloride, dms., c.l., dlvd. lb. .17½- —

dms., l.c.l., dlvd. lb. .18½- —

tanks, dlvd lb. .15 - —

Allyl isocyanate (see Mustard Oil, syn.).

Almond oil, artif., bitter (see Benzaldehyde).

Almond oil, nat., bitter, f.p.a., bots lb. 2.75 - 3.45

NF, bots. lb. 3.00 - 3.30

USP, sweet, cns., dms. lb. .90 - 1.40

Aloe, Cape cs. lb. .50 - —

powd., cs. lb. .75 - —

Curacao, kgs. lb 60 - —

powd., kgs lb. .80 - —

Aloin, USP, bbls., dms., kgs. lb. 3.25 - 3.75

Alphanaphthol (see a-Naphthol).

Alphanaphthylamine (see a-Naphthylamine).

Alphanitronaphthalene (see a-Nitronaphthalene).

Alphapicoline (see a-Picoline).

Alphaterpineol (see a-Terpineol).

Alphatocopherol (see a-Tocopherol).

Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —

lump, dms., works 100 lbs. 5.05 - —

powd., dms., works 100 lbs. 5.20 - —

USP, burnt, dms lb. .20 - .21

hydrous, dms. lb. .07¾- .08

Alum, potassium, gran., bgs., works. 100 lbs. 4.55 - —

lump, dms., works 100 lbs. 5.30 - —

powd., dms., works 100 lbs. 5.45 - —

USP, burnt., dms lb. .20 - .21

hydrous, dms. lb. .07¾- .08

Alum, potash-chrome, dms lb. .17 - —

Alumina, calcined, bgs., c.l., works. lb. .0475- —

bgs., l.c.l., works lb. .05 - .0775

Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —

Aluminum chloride, comi., anhyd., dms., c.l., works, frt. equald lb. .15 - —

dms., l.c.l., works lb. .15½- —

cryst., dms., c.l., works 100 lbs. 16.00 - —

dms., l.c.l., works. 100 lbs. 16.50 - —

soln. 32°, cbys., c.l., works lb. .0445- —

cbys., l.c.l., works lb. .0520- .1290

tanks, works 100 lbs. 3.45 - —

NF, gran., dms., works lb. .31 - .32

Aluminum fluoride, tech., anhyd., bgs., c.l., works lb. .17¼- —

bgs., l.c.l., works lb. .18¼- .2014

Aluminum fluoride in fib. dms. 0.35c. per lb. higher

Aluminum formate, basic soln., dms., c.l., works lb. .12 - —

dms., l.c.l., works lb. .12½- —

Aluminum hydrate, heavy, bgs., c.l., frt. equald lb. .0335- —

bgs., 20,000-40,000 lb. lots, same basis lb. .0360- —

bgs., 2,000-20,000 lb. lots, same basis lb. .0460- —

bulk, c.l., same basis lb. .0310- —

Aluminum hydroxide, dried, USP XV., fib. dms. works lb. .82½- —

fib dms., contract, works lb. .79½- —

Aluminum hydroxide, gel, pharmaceutical, 14-15% $Al_2O_3$, fib. dms., works lb. .22 - —

9-9½% $Al_2O_3$, fib dms., works lb. .19 - —

fib. dms., contract, works lb. .18 - —

Aluminum hydroxide, tech., powd. (See Aluminum hydrate).

Aluminum metal, 99%+, ingots, 10,000-lb. lots, frt. alld. lb. .2610- —

pigs, 10,000-lb. lots, frt. alld. lb. .24 - —

Aluminum oxide, amorphous (see Alumina, calcined).

Aluminum paste, lining, extra-fine, dms lb. .68½- —

Standard grade, dms. lb. .46 - —

Aluminum powder, lining, extra-fine, dms lb. 1.09½- —

Standard grade, dms. lb. .79½- —

Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c per lb for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.

Aluminum resinate, precip., 2.1% t.t.l., dms lb. .36¼- —

Aluminum stearate, dibasic, ctns., c.l lb. .39 - —

ctns., l.c.l lb. .40 - .44

Monobasic, ctns., c.l lb. .39 - —

ctns., l.c.l lb. .40 - .44

Tribasic, ctns., c.l lb. .39 - —

ctns., l.c.l lb. .40 - .44

Aluminum sulfate, comi., grd., bgs., c.l., works, frt. equald ton 41.00 - —

grd., bulk, c.l., same basis ton 40.00 - —

lump, bgs., c.l., same basis ton 44.00 - —

Comi., iron-free, bgs., c.l., works, frt. equald 100 lbs. 3.53 - —

bgs., l.c.l., works, frt. equald, 100 lbs. 3.95 - 7.95

USP, gran., dms., works lb. .29 - .30

powd., dms., works lb. .36 - .37

Aluminum sulfate prices $1 per ton higher in the South.

Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).

Ambergris, gray, bots oz. 6.50 - 7.50

p-Aminoacetanilide, frt. alld. lb. 1.57 - —

Aminoacetic acid, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Aminoazotoluene base, bbls., 100% basis lb. 1.03 - 1.18

p-Aminobenzoic acid, tech., dry, dms., works lb. 1.72 - —

Aminoethyl ethanolamine, dms., c.l., dlvd lb. .475 - —

dms., l.c.l., dlvd. lb. .485 - —

tanks, dlvd. lb. .45 - —

2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —

dms., l.c.l., frt alld. lb. .45 - —

tanks, frt. alld lb. .43 - —

m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —

dms., smaller lots. lb. 2.50 - —

p-Aminophenol, dms., frt. alld lb. 1.15 - —

Aminophylline, USP, 100-lb dms lb. 3.55 - —

p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted lb. 3.70 - —

Ammonia, anhyd., fertilizer, tanks, works, frt. equald ton 88.00 - —

refrigeration tanks works, frt. equald ton 90.50 - —

Aqueous, 29.4%, tanks, works, anhyd. basis ton 91.00 - —

Ammoniacal liquor (see Ammonia, aqueous).

Ammoniac, sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —

bgs., l.c.l., same basis 100 lbs. 8.65 -12.65

Ammoniac, sal., white (see Ammonium chloride, tech.).

Ammonium acetate, purif., dms lb. .40 - —

Ammonium benzoate, USP, fib. dms. ton lots, works lb 1.00 - —

fib dms. 1,000-lb lots, works. lb 1.03 - —

Ammonium biborate, gran., dms., c.l., works ton 324.50 - —

dms., ton lots, ex whse ton 407.50 - —

dms., smaller lots, ex whse ton 412.50 - —

Ammonium bicarbonate, dom., dms., c.l., works 100 lbs 7.00 - —

dms., l.c.l., works 100 lbs. 9.00 - —

### Abbreviations

Used in OPD Market Quotations

| | | | | | |
|---|---|---|---|---|---|
| alld. | allowed | distr. | distributor | No. | number |
| amorph. | amorphous | djns. | demijohns | nom. | nominal |
| AMP | American melting point | dlvd. | delivered | o- | ortho |
| anhyd. | anhydrous | dms. | drums | ord. | ordinary |
| AOAC | Association of Official Agricultural Chemists | dom. | domestic | oz. | ounce |
| | | E. | east | p- | para |
| | | e.p. | end point | Pac. | Pacific |
| a.p.a. | available phosphoric acid | equald. | equalized | pf. | proof |
| | | exp. | expressed | phos. | phosphate |
| approx. | approximately | Ext. | external | photo. | photographic |
| artif. | artificial | F. | fahrenheit | pkgs. | packages |
| ASTM | American Society for Testing Materials | ferment. | fermentation | powd. | powdered |
| | | f.f.a. | free fatty acid | precip. | precipitated |
| | | f.f.c. | free from chlorine | prod. | producer |
| Atl. | Atlantic | fib. | fiber | pt. | point |
| Be. | Baume | f.o.b. | free on board | pulv. | pulverized |
| bbls. | barrels | f.p.a. | free of prussic acid | purif. | purified |
| bgs. | bags | frt. | freight | redist. | redistilled |
| bls. | bales | gal. | gallon | refd. | refined |
| bots. | bottles | gran. | granular | refy. | refinery |
| b.p. | boiling point | grd. | ground | reg. | regular |
| b.p.l. | bone phosphate of lime | i.&a. | iron and aluminum | resub. | resublimed |
| | | | | ret. | returnable |
| b.r. | boiling range | i.b.p. | initial boiling point | SD | specially denatured |
| bxs. | boxes | imp. | imported | s.d. | single distilled |
| C. | centigrade | incl. | included | S E. | southeast |
| cbys. | carboys | indust. | industrial | sec. | secondary |
| CD | completely denatured | kgs. | kegs | secs. | seconds |
| | | l- | laevo | s.g. | specific gravity |
| c.i.f. | cost, insurance, freight | lacq. | lacquer | shipt. | shipment |
| | | lb. | pound | soln. | solution |
| cks. | casks | l.c.l. | less than carlots | s.u. | standard unit |
| c.l. | carlots | l.t.l. | less truckload | syn. | synthetic |
| cns. | cans | liq. | liquid | tanks. | railroad tankcars |
| coml. | commercial | mfrs. | manufacturers | tech. | technical |
| conc. | concentrated | m- | meta | tert- | tertiary |
| CP | chemically pure | m.a.p. | mixed aniline point | t.l. | truck loads |
| cps. | centipoises | | | t.w. | tank wagons |
| cryst. | crystalline | min. | minimum | USP | U. S. Pharmacopoeia |
| cs. | cases | m.p. | melting point | | |
| ctns. | cartons | N- | nitrogen | vis. | viscosity |
| cyls. | cylinders | n- | normal | VM&P | varnish makers & painters |
| d- | dextro | nat. | natural | | |
| dbl. | double | neut. | neutral | W. | west |
| denat. | denatured | NF | National Formulary | whse. | warehouse |
| dest-dist. | destructively—distilled | NNR | New and Nonofficial Remedies | w w. | water-white |
| dl- | dextrolaevo | | | | |
| dist. | distilled | | | | |

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

## Ammonium Bichromate—Asphalt

Ammonium bichromate dms. works, lb. .42 .43
Ammonium bifluoride, dms. dlvd lb. .2145- .2245
Ammonium bromide NF gran. bbls, lb. .43 - —
Powdered ammonium bromide 10c per lb higher
Ammonium carbonate USP, lump, dms., c.l lb. .15½- —
Ammonium chloride, tech., fine gran., bgs., c.l., works 100 lbs 5.75 - —
bgs., l.c.l., works 100 lbs. 7.75 - 8.20
USP, gran., fib dms lb. .17¼ —
Ammonium citrate, dibasic, bbls lb. .77 - —
Ammonium dichromate (see Ammonium bichromate).
Ammonium fluoride (see Ammonium bifluoride).
Ammonium gluconate, tech., dms.lb. .45 - —
Ammonium hydroxide (see Ammonia aqueous)
Ammonium iodide, NF dms., bots, lb. 4.26 - 4.38
Ammonium lauryl sulfate, dms., c.l., frt. alld lb. .19 - —
dms., l.c.l., frt. alld lb. .20 - —
tanks, frt. alld lb. .18 - —
Ammonium linoleate, 80%, dms., works lb. .50 - .53
Ammonium molybdate, CP, cryst., fib dms. 15,000 lbs. works lb. 1.22 - —
fib. dms., 2,000-lb. contracts, works lb. 1.23 - —
single fib. dm., works lb. 1.24 - —

Ammonium nitrate, dom., fertilizer grade, 33.5% N bgs., western works frt. equald, base price ton.72.00 - —
Ammonium nitrate, imp. Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt equald to $8 ton base price ton.72.00 - —
western bgs., c.l., f.o.b. cars, Los Angeles ton.79 69 - —
with dolomite, 20.5% N, bgs., Hopewell Va ton 49 75 - —
Ammonium oxalate, tech., fine gran., powd., dms lb. .28½- .34½
Ammonium pentaborate, gran. bgs. c.l., works ton.193.00 - —
bgs., ton lots, ex whse ton.284.50 - —
bgs., smaller lots, ex whse ton.289.50 - —
Ammonium pentaborate powder $10 per ton higher
Ammonium persulfate, tech., dms., 10-ton lots or more works. lb. .18 - —
dms., smaller lots, works lb. .20 - .23
Ammonium phosphate, comi., bgs., c.l., works, frt. equald lb. .09¼- —
bgs. l.c.l. same basis lb. .10 - —
Ammonium phosphate dibasic, NF, V bbls. dms lb. 46 - —
Tech., bgs., c.l., works, frt. equald, lb. .09¼- —
bgs., l.c.l., same basis lb. .10 - —
Ammonium silicofluoride, dms., works lb. .11¾- .13¼
Ammonium sulfamate bgs., c.l., t.l., works lb. .19 - —
bgs., l.c.l., works lb. .20½- .27

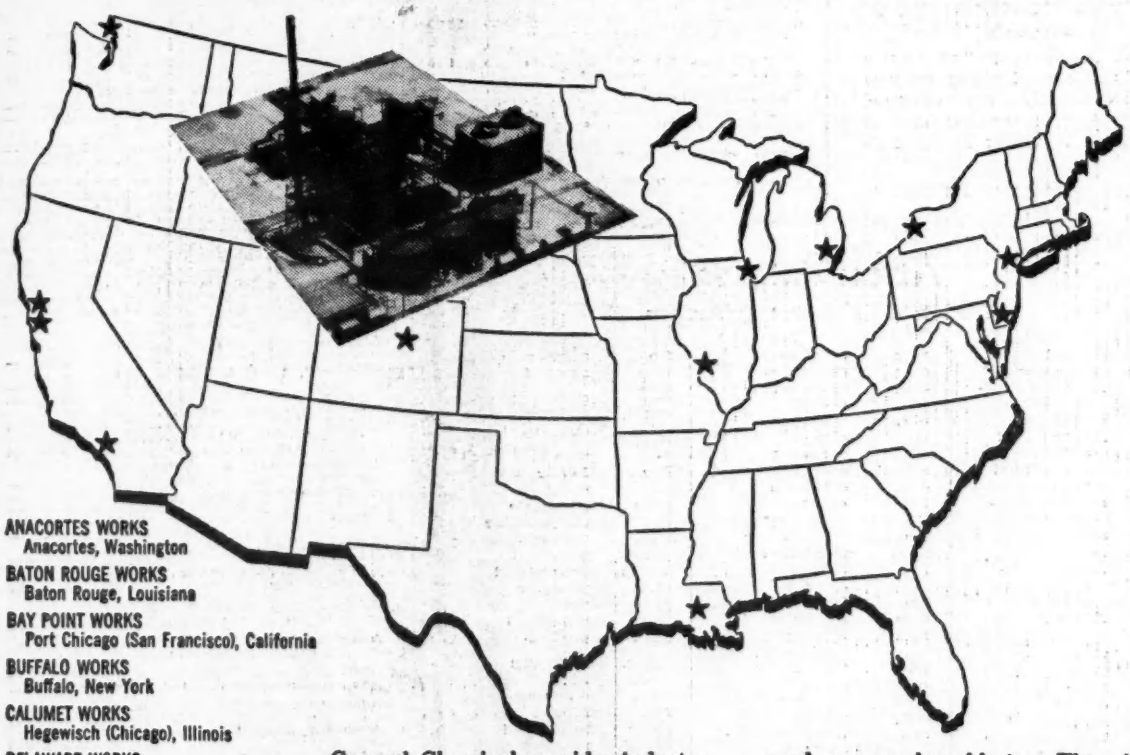
Ammonium sulfate, coke-oven, bulk, producing ovens, base price ton.32.00 - —
purif., dms., works lb. .10 - .10½
Syn., bulk, c.l., works ton.34.00 - —
Ammonium sulfate, tech., bulk, c.l., t.l., works ton.52.00 - —
bgs., c.l., t.l., works ton.56.00 - —
bgs., l.c.l., l.t.l., works 100 lbs. 3.20 - 7.20
Ammonium sulfide, liq., 40-44%, tanks, frt. equald., 100% basis ton.160.00 - —
Ammonium sulfocyanide, tech (see Ammonium thiocyanate)
Ammonium thiocyanate, tech., cryst., dms., c.l., works lb. .20 - —
dms., l.c.l., works lb. .22 - .26
Ammonium thioglycollate, comi., chys., 100% basis lb. 1.35 - 1.65
Highly purif., chys. 100% basis, lb. 1.70 - 1.96
d-Amphetamine hydrochloride, di-basic bots lb.18.00 -28.00
dl-Amphetamine hydrochloride, di-basic bots lb 4.50 - 6.00
d-Amphetamine hydrochloride, mono-basic, bots lb.18.00 -28.00
d Amphetamine phosphate, fib dms, 100-lb lots lb.14.50 - —
dl Amphetamine phosphate bots lb 4.50 6.00
d-Amphetamine sulfate, fib. dms., 100-lbs. lots lb.16.50 - —
dl-Amphetamine sulfate, fib. dms., lb. 4.50 6.00
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt. alld. E of Rockies lb. .18½- .19
dms., l.c.l. same basis lb. .19½- .20
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg. dms., c.l., dlvd lb. .19 - —
dms., l.c.l., dlvd lb. .20 - —
tanks, dlvd. lb. .16½- —

Amyl acetate, syn., one process, dms., c.l., dlvd lb. .20¼- —
dms., l.c.l., dlvd lb. .21¼- —
tanks, dlvd. lb. .17¾- —
Amyl acetate, tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18 —
tanks, dlvd lb. .14½- —
Amyl alcohol, ex fusel oil (see Fusel oil, refd.).
Amyl alcohol, ferment., refd., 128°-132°C., dms., l.c.l., dlvd lb. .43 - —
refd., ACS grade, dms., l.c.l., dlvd lb. .45 - —
Amyl alcohol, ex pentane, mixed, amyls, dms., c.l., frt. alld. lb. .18½- —
dms., l.c.l., frt. alld lb. .19½- —
tanks, frt. alld lb. .16 —
primary, dms., c.l., frt. alld. lb. .20¼- —
dms., l.c.l., frt. alld lb. .21¼- —
tanks, frt. alld lb. .17¾- —
sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., works lb. .20 - —
tanks, works lb. .17 - —
tert-synthetic, dms., c.l., frt. alld E lb. .18½- —
dms., l.c.l., frt. alld E lb. .19½- —
tanks, frt. alld E lb. .16 —
Amyl alcohol, l-pentanol (syn normal), dms., c.l., works lb. .41½- —
dms., l.c.l., works lb. .42½- —
tanks, works lb. .39½- —
Amyl alcohol, 2-pentanol, dms., c.l., works lb. .65 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.75 2.20
o-tert-Amyl phenol, dms., c.l., works. lb. .49½ - —
dms., l.c.l., works lb. .50½- —
tanks, works lb. .47 - —
p-tert-Amyl phenol, dms., c.l., works. lb. .26¾- —
dms., l.c.l., works lb. .27¾- —
Amyl salicylate, cns., dms lb .82 1.10
Amyris oil, dms lb. 1.30 - 1.40
Anethole, cns., dms lb. 1.25 - 1.70
Tech., dms. lb. .85 - .90
Angelica root, dom., bls lb 60 .65
Angelica root oil, bots lb.120.00 -130.00
Angelica seed oil, bots lb 120.00 -130.00
Aniline, dms., c.l., frt. alld lb. .20 - —
dms., l.c.l., frt. alld lb. .21 - —
tanks, frt. alld lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., truckloads, 20,000 lbs. min., frt. alld. lb. .33 - —
dms. l.c.l. same basis lb. .35 —
Anise oil, USP, dms. lb. 2.00 - 4.05
Anise seed, Mexican, bgs. lb. .17 - —
Spanish, bgs. lb. .18½- —
Anisic aldehyde, dms. lb. 1.85 - 2.20
o-Anisidine, dms.; c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 80-95%, dms., c.l., t.l., f.o.b., works lb. .42½- —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .43 - —
Anthranilic acid, 99%, 150-lb. dms., dlvd lb. 1.15 - —
Anthraquinone, 99.5%, bbls., c.l., frt. alld lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —
Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines lb. .29 - —
cs. c.l., mines lb. .29½- —
Antimony oxide, bgs., c.l., frt. alld. lb. .24½- —
bgs., l.c.l., frt. alld. lb. .26 - —
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots, dlvd lb. .23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, annyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb. dms. lb. .69½- —
USP, powd., 250-lb. dms. lb. .74½- —
Antipyrine, NF, 200-lb. bbls lb. 3.50 - —
Apomorphine hydrochloride, USP 25-oz. lots oz.35.60 - —
Apricot kernel oil, USP, dms lb. .85 - 1.10
Arabic gum, amber, sorts, bgs. lb. .21 - .23
USP, powd., bbls. lb. .26 - .29
Areca nuts, powd., bbls. lb. .13 - —
Arecoline hydrobromide, NF, bots., tins oz. 4.50 - 6.00
l-Arginine, free base, dms., 10-kilo lots or more kilo.90.00 - —
l-Arginine glutamate, dms., 10-kilo lots or more kilo.60.00 - —
l-Arginine monochloride, dms., 10-kilo lots or more kilo.60.00 - —
Arnica flowers (true Montana), bls. lb. 1.40 - 1.50
Arsenic, crude (95%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .031 - —
Arsenic trioxide, USP, dms lb. .48 - —
Arsenic, white, powd., bbls., c.l., works lb. .04½- —
bbls., l.c.l., works lb. .06½- .07⅛
Arsenous acid, tech (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).
Arylid maroons, deep shades, bbls. lb. 3.70 - —
Light shades, bbls lb. 2.85 - —
Maroon shade, bbls lb. 3.70 - —
Asafetida gum, cns. lb. .40 - —
Powd., bbls., dms lb. .85 - —
Asbestine (see Talc, fibrous, New York).
Asbestos, Canadian crude, 6D, c.l. (30 tons), mines ton.86.00 - —
7D, c.l. (30 tons), mines ton.75.00 - —
7F, c.l. (30 tons), mines ton.71.00 - —
7H, c.l. (30 tons), mines ton.61.00 - —
7K, c.l. (30 tons), mines ton.50.00 - —
7M, c.l. (30 tons), mines ton.44.00 - —
7R, c.l. (30 tons), mines ton.43.00 - —
7RF, c.l. (30 tons), mines ton.44.00 - —
7T, c.l. (30 tons) mines ton.44.00 - —
7TF, c.l. (30 tons) mines ton.44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP, dms., 25-100 kilo lots kilo.10.00 - —
dms., 10-kilo lots kilo.10.35 - —
dms., 5-kilo lots kilo.10.75 - —
bots., 1-kilo lots kilo.12.00 - —
bots., 500-gram bots kilo.12.50 - —
Ash black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton.40.00 - —
ex-whse, N. Y., N. J. ton.83.56 -86.50
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton.35.00 - —
select, 350° F. fusing pt., bgs., c.l., mines ton.41.00 - —
270°-295° F. fusing pt., bgs. c.l., mines ton.40.00 - —
Asphalt, manjak No. 10 crude, dms., works lb. .06¼- —
Asphalt, petroleum, cut-back, tanks, tankwagon, refy. gal. .09 - —
emulsion tanks tankwagon refy. gal. .09½- —
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration, tanks, tankwagon, refy. ton.20.00 - —


*An important message to every sulfuric user interested in spent acid recovery...*

# 12 GENERAL CHEMICAL Plants

## are equipped to handle spent acid for you



ANACORTES WORKS
Anacortes, Washington

BATON ROUGE WORKS
Baton Rouge, Louisiana

BAY POINT WORKS
Port Chicago (San Francisco), California

BUFFALO WORKS
Buffalo, New York

CALUMET WORKS
Hegewisch (Chicago), Illinois

DELAWARE WORKS
North Claymont, Delaware

DENVER WORKS
Denver, Colorado

DETROIT WORKS
River Rouge, Michigan

EAST ST. LOUIS WORKS
East St. Louis, Illinois

ELIZABETH WORKS
Elizabeth, New Jersey

EL SEGUNDO WORKS
El Segundo (Los Angeles), California

RICHMOND WORKS
Richmond (San Francisco), California

General Chemical provides industry with sulfuric acid from 18 producing points, located in major centers of commerce from coast to coast. Of these, 12 are equipped to handle spent acid—providing unmatched experience, service and facilities to customers interested in spent acid recovery.

Relatively high strength, impure sulfuric presents many problems of handling and disposal. With General's help you may be able to turn this costly nuisance into an economic asset.

Whether we can help you or not depends on a number of factors: The acid strength . . . The nature and amounts of contaminants . . . The tonnage available . . . The distance of your location from our nearest plant. Generally, spent acids containing 70%-80% sulfuric acid, or higher, can be reclaimed if they do not contain impurities harmful to the equipment.

Our experience in solving spent acid problems of every kind is at your service. For further information, write or call your nearest General Chemical office.

Allied Chemical

**GENERAL CHEMICAL DIVISION**
40 Rector Street, New York 6, N. Y.

*Offices:* Albany • Atlanta • Baltimore • Birmingham • Boston • Bridgeport • Buffalo • Charlotte • Chicago • Cleveland (Miss.) • Cleveland (Ohio) • Denver • Detroit • Houston • Jacksonville • Kalamazoo • Los Angeles • Milwaukee • Minneapolis • New York • Philadelphia • Pittsburgh • Portland (Ore.) • Providence • San Francisco • St. Louis • Seattle • Kennewick, Vancouver and Yakima (Wash.)

Aspirin (see Acetylsalicylic Acid)
Atropine, NF, tins ..... oz. 5.75 - 6.50
Atropine sulfate, USP, bots ..... oz. 5.00 - 5.50
Avocado oil, crns ..... lb. 3.00 Nom.

## B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
Balm of Gilead buds dried, bgs lb. 1.25 - 1.35
Barberry root bark, bgs ..... lb. .28 - .30
Barbital, NF, 100-lb. dms ..... lb. 4.50 - —
Barbital sodium, NF dms ..... lb. 4.75 - —
Barium carbonate precip, bgs, c.l. works ton.111.50 - —
bgs., smaller lots, works ton.126.50 - —
Barium chlorate dms works lb .32 - .41
Barium chloride anhyd, bgs, c.l. works ton.176.00 - —
bgs., l.c.l., works ..... ton.196.00 - —
Barium chloride, NF, cryst., 100-lb. dms lb. .32 - —
Tech. cryst. bgs. c.l. works. 100 lbs 7.00 - —
bgs., l.c.l., works ..... 100 lbs. 8.00 - —
Barium chromate, bgs., frt. equald. lb. .38 - —
Barium dioxide (see Barium peroxide).
Barium hydrate, cryst., bgs., c.l., t.l., frt. equald. ton.208.00 - —
bgs., l.c.l. t.l., frt. equald. ton.218.00 - —
Barium monoxide (see Barium oxide)
Barium nitrate bbls. c.l. t.l. dlvd. lb. .16 - —
bbls., l.c.l. t.l., dlvd ..... lb. .17 - —
Barium oxide grd. dms., c.l., t.l. frt equald ton.275.00 - —
dms. l.c.l. t.l. frt equald ton.285.00 - —
Barium peroxide dms. frt. equald.lb 20 - —
Barium stearate, ctns. c.l., frt, alld. lb. .41 - —
ctns., l.c.l., same basis ..... lb. .42 - .46
Barium sulfate tech. (see Barytes and blanc fixe)
Barium sulfate, X-ray, dms. ... lb. .15 - .15½
Barium sulfide, dms., c.l., works. ton.100.00 - —
dms., l.c.l., works ..... ton.110.00 - —
Barytes, southern off-color, bgs. mines ton.25.00 - —
95-75% bgs. mines ton.25.00 - —
white, water-grd., paper bgs., c.l., St. Louis ton.55.00 -55.25
paper bgs., ex whse, New York ton.79.85 - —
Battery acid chys. c.l. works, E. 100 lbs. 2.35 - —
chys., l.c.l., works E ..... 100 lbs. 2.65 -10.95
Bauxite, bulk, mines ..... ton. 7.00 -10.00
Bay oil, NF, Puerto Rican, 50-55%, crns lb. 2.10 - 3.05
55-60%, crns. ..... lb. 2.50 - 3.05
West Indian 50-55% crns. dms., lb. 1.95 - 3.00
Bayberry wax, bgs ..... lb. .45 - .47
Beeswax, crude, African, bgs .... lb. .56 - .57
Brazilian bgs. ..... lb. .57 Nom.
Central American, bgs ..... lb. .60 Nom.
Chilean, bgs. ..... lb. .57 Nom.
Beeswax, refd., USP, bleached, white bricks, 100-lb. ctns lb. .73 - .75
white, slabs, 100-lb. ctns ... lb. .72 - .74
yellow bricks, 100-lb. ctns ... lb. .67 - .69
yellow, slabs, 100-lb. ctns .... lb. .66 - .68
Belladonna leaf, bls. ..... lb. .30 - —
Belladonna root bls ..... lb. .30 - —
Bentonite, dom. 200 mesh, bgs., c.l., mines ton.14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse ton.91.00 - —
bgs., 1-ton lots ex whse ton.94.00 - —
low gel. bgs., 5-ton lots ex whse. ton.89.35 - —
bgs., 1-ton lots, ex whse. ton.92.35 - —
Benzal chloride, chys. works ... lb. .44 - —
Benzaldehyde NF dms ..... lb. .80 - .86
Tech., chys. dms. t.l. ..... lb. .43 - —
chys., smaller lots ..... lb. .44 - —
Benzene, coaltar, pure or nitration, tanks, works:
Bethlehem Pa ..... gal. .36 - —
Birmingham district .... gal. .36 - —
Chicago district ..... gal. .36 - —
Cleveland district ..... gal. .36 - —
Geneva Utah ..... gal. .36 - —
Johnstown Pa. ..... gal. .36 - —
Lackawanna N. Y. ..... gal. .36 - —
Lone Star, Tex ..... gal. .36 - —
Lorain, Ohio ..... gal. .36 - —
Middletown, Ohio ..... gal. .36 - —
Minnequa, Colo ..... gal. .36 - —
Philadelphia district ..... gal. .36 - —
Pittsburgh district ..... gal. .36 - —
Sparrows Point, Md. ..... gal. .36 - —
Syracuse N. Y ..... gal. .36 - —
Terre Haute Ind. ..... gal. .36 - —
Youngstown Ohio ..... gal. .36 - —
Benzene, petroleum, Houston, Tex., tanks gal. .36 - .38
Benzene hexachloride, 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride tech. high gamma dms., c.l., dlvd. gamma unit-lb. .00825- —
dms. t.c.l. works gamma unit-lb. .009 .0095
low gamma, dms. c.l. dlvd. gamma unit-lb. .00825- —
dms. t.c.l. works. gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., c.l., frt alld., 100% basis lb. 1.19 - —
bbls. t.c.l. same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow AAA, bbls., dlvd. lb. 2.30 - —
AAOT, bbls., dlvd. ..... lb. 2.55 - —
Lightfast, bbls., dlvd. ..... lb. 3.40 - —
Benzocaine dms ..... lb. 3.48 - 3.50
Benzoic acid, tech., c.l., t.l., frt. alld. lb .37 - —
ton lots, same basis ..... lb. .41 - —
1,000-lb. lots, same basis .... lb. .43 - —
USP, ton lots ..... lb. .48 - —
1,000-lb. lots ..... lb. .50 - —
Benzoin gum Sumatra es ..... lb. .33 - —

**Benzol**

Benzol quotations, both coaltar and petroleum, may now be found under Benzene.

Benzophenone, dms ..... lb. 1.49 - 1.70
Benzotriazole, tech. dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, chys. 1,000-lb. lots or more frt. equald lb. .21 - —
chys. smaller lots frt. equald lb. .23 - —
Benzoyl chloride, chys., dms., c.l., works frt equald lb. .22 - —
chys. t.c.l. same basis lb .23 - —
tanktrucks, dlvd., Metropolitan area. ..... lb. .21 - —
Benzoyl peroxide, purif., fib dms., 50 to 1,000-lb. lots, works lb. .88 - 1.08
Benzyl acetate, f.f.c. crns. dms lb. .65 - .79
Benzyl alcohol, NF, dms ..... lb. .65 - .80
Tech., dms., dlvd ..... lb. .47½- .65
Benzyl benzoate, NF, 40-lb. dms., lb. .68 - —
Benzyl chloride, tech., chys., dms., c.l. works, frt. equald lb. .22½- .25½
chys. dms., l.c.l. same basis lb. .23½- .25½
tanktrucks, dlvd. Metropolitan area lb. .21 - —
A 2½c. differential is quoted on benzyl chloride in 5-gal. chys. In steel dms. prices are ½c. lower
Benzyl cinnamate, crns ..... lb. 3.30 - 3.60
Benzyl dimethylamine, dms., works. lb 2.25 - —
Benzyl formate, crns ..... lb. 1.85 - 2.10
Benzyl isoeugenol, crns. ..... lb 9.85 - —
Benzyl propionate bots. ..... lb 1.35 - 1.65
Benzyl salicylate bots ..... lb 1.60 - 1.85
Benzylidine acetone, bots ..... lb 1.75 - 1.80
Benzylidine chloride. (see Benzal chloride).
Berberine bisulfate, crns lb.35.00 -36.25
Berberine hydrochloride bots. lb.35.00 -36.25
Bergamot oil, nat. NF Italian, crns. lb.12.75 -13.75
Betagammapicoline (see b,g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid).
Betamethylnaphthalene (see b-Methylnaphthalene).
Betanaphthol (see b-NaphthoD.
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, tech.).
Biotin, cryst., bots ..... gram 10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil crude crns ..... lb 1.50 1.90
Rectified, crns ..... lb 1.75 - 1.85
Bismuth chloride, lars ..... lb 5.11
Bismuth hydroxide, dms ..... lb. 4.60 - 4.65
Bismuth metal, bxs, top lots lb 2.25 —
Bismuth nitrate, cryst., dms ... lb. 2.08 - 2.17
Bismuth oxide anhyd dms ... lb 4.47 5.05
Bismuth oxychloride dms ... lb 4.37 4.42
Bismuth subcarbonate, USP dms lb 3.20 - —
Bismuth subgallate NF fib dms lb 3.15 - —
Bismuth subiodide fib dms lb 5.37 - —
Bismuth subnitrate NF dms lb 2.65 - —
Bismuth subsalicylate USP dms lb 3.50 - —
Bismuth-ammonium citrate, USP, powd. lars lb 4.22 - —
Bisphenol-A, bgs. c.l. t.l. frt. alld. lb. .30 - —
bgs. l.c.l. same basis ..... lb. .31 - —
Blackberry root bark, bls ..... lb. .50 - .55
Black haw root bark, bls ..... lb .53 - .65
Black haw tree bark, bls. ..... lb. .43 - .50

**Black Pigments**

Black pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs., c.l., works ton.115.00 - —
bgs., l.c.l., works ..... ton.125.00 - —
bgs., l.c.l., New York whse ton.169.00 - —
Blood, dried, 16-16½% ammonia New York unit-ton. 6.50 - —
high-grade, unground 16-17% ammonia bgs. Chicago unit-ton. 6.75 - —
Blood dried soluble, bgs., c.l lb 13 .14
bgs., t.l. ..... lb. .15 - .17
bgs., l.t.l. ..... lb. .15½- .35½
Bloodroot bls ..... lb 43 .50

**Blue Pigments**

Blue pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

Blue dyes (see Dyes)
Blue vitriol (see Copper sulfate).
Bois de rose oil, Brazilian, dms. lb. 2.60 - 3.75
Peruvian, dms. ..... lb. 2.10 - 2.40


Eastman
ALDEHYDES

**acetaldehyde**
pharmaceutical raw material
denaturant
chemical intermediate

**n-butyraldehyde**
chemical intermediate
plastic intermediate
pharmaceutical intermediate

**isobutyraldehyde**
pharmaceutical intermediate
resin raw material
chemical raw material

For samples and information about Eastman aldehydes and other Eastman industrial chemicals, call our nearest sales office or write to Eastman Chemical Products, Inc., Chemicals Division, Kingsport, Tennessee.

Eastman CHEMICAL PRODUCTS, INC., KINGSPORT, TENNESSEE, subsidiary of EASTMAN KODAK COMPANY

SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tenn.; New York; Framingham, Mass.; Cincinnati; Cleveland; Chicago; St. Louis; Houston. West Coast: Wilson Meyer Co., San Francisco; Los Angeles; Portland; Salt Lake City; Seattle.

BON acid maroons, pure, bbls lb 1.75 - —
Resinated, bbls lb 1.50 - —
Bone black, dms., l.c.l. frt. alld lb. .18 - .22¾
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed, works, E ton.65.00 - —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate, precip (see Calcium phosphate, tribasic)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton.87.50 - —
bgs., ton lots, ex whse. New York or Chicago ton.143.75 - —
bgs., smaller lots, same basis, ton.148.75 - —
bulk, c.l., works ton.78.50 - —
gran., decahydrate, 99½%, bgs., c.l. works ton.47.50 - —
bgs., ton lots, ex whse New York or Chicago ton.103.75 - —
bgs., smaller lots, same basis, ton.108.75 - —
bulk, c.l., works ton.41.00 - —
gran., pentahydrate, 99½%, bgs., c.l., works ton.63.00 - —
bgs., ton lots, ex whse New York or Chicago ton.119.25 - —
bgs., smaller lots, same basis, ton.124.25 - —
bulk, c.l., works ton.56.50 - —
Borax, tech., powd., 99½%, bgs., c.l., works ton.52.50 - —
bgs., ton lots, ex wnse New York or Chicago ton.108.75 - —
bgs., smaller lots, same basis, ton.113.75 - —
USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt. bgs., l.c.l., same basis lb. .19 - .26
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton.335.00 - —
bgs., ton lots, ex whse, New York or Chicago ton.390.00 - —
bgs., smaller lots, same basis, ton.415.00 - —
cryst., 99.9%, bgs., c.l., works, ton.133.50 - —
bgs., ton lots, ex whse New York or Chicago ton.190.75 - —
bgs., smaller lots, same basis, ton.195.75 - —
dms., c.l., works ton.158.00 -178.00
dms., ton lots, ex whse New York or Chicago ton.215.25 -235.25
dms., smaller lots, same basis, ton.220.25 -240.25
gran., 99.9%, bgs., c.l., works, ton.108.50 - —
bgs., ton lots, ex whse, New York or Chicago ton.165.75 - —
bgs., smaller lots, same basis ton.170.75 - —
dms., c.l., works ton.133.00 -153.00
dms., ton lots, ex whse New York or Chicago ton.190.25 -210.25
dms., smaller lots, same basis ton.195.25 -215.25
bulk, c.l., works ton.102.50 - —
powd., 99.9%, bgs., c.l., works ton.113.50 - —
bgs., ton lots, ex whse New York or Chicago ton.170.75 - —
bgs., smaller lots, same basis, ton.175.75 - —
dms., c.l., works ton.138.00 -158.00
dms., ton lots, ex whse New York or Chicago ton.195.25 -215.25
dms., smaller lots, same basis, ton.200.25 -220.25
USP boric acid $25 per ton higher.
Borneol, cns lb. 2.75 - —
Boron trichloride, CP, 1,800-lb. cyls., works lb 1.25 - —
100-lb. cyls., works lb. 1.70 - —
Boron trifluoride gas, cyls, truck-load, works lb. .62 - —
cyls., l.t.l., works lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Broenner's acid, bbls lb. 1.76 - —
Bromine, purif. cs. c.l., t.l., dlvd. E of Rockies lb. .32 - —
cs., l.c.l., same basis lb. .34 - .39
ret. dms. c.l., t.l. dlvd E of Rockies lb. .31 - —
ret. dms. l.c.l. same basis lb. .31 - .34
tanks, same basis lb. .22½ - —
Bromochloromethane dms., c.l., frt. equald lb. .48 - —
dms., l.c.l. same basis lb. .50 - —
tanks, same basis lb. .47 - —
Bromoform, pharmaceutical grade, 100-lb chys lb 1.80 1.90
Bromstyrol, bots lb. 5.45 5.70
Brucine, cns., 100-oz. lots oz. .72 Nom.
Brucine sulfate, NF, cns. 100-oz. lots oz. .69 Nom.
Buchu leaves, bls lb. 1.20 - —

### Brown Pigments

Brown pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Brown, iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, refd. cyls. c.l., refy lb. .21 - —
cyls., l.c.l., refy lb. .22 - —
tanks, contract, refy. lb. .14½ - .15
Butane, indust., tanks, group 3 gal. .04 - —
n-Butyl acetate, ferment, dms., c.l., frt. alld lb. .17 - —
dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .14½ - —
Syn., dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .14½ - —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .14¾ - —
dms., l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .12¼ - —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed, frt. alld. E. lb. .57½ - —
dms., l.t.l., same basis lb. .58½ - —
tanks, same basis lb. .55 - —
Prices of n-butyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Butyl alcohol, ferment, dms., c.l., frt alld lb. .17 - —
dms., l.c.l., frt. allid lb. .18 - —
tanks, frt. allid lb. .14½ - —
Syn., dms., c.l., dlvd lb. .17 - —
dms., l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .14½ - —
Butyl alcohol, sec-synthetic, dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .12½ - —
Butyl alcohol, tert-synthetic, dms., c.l., frt. alld. dlvd. E lb. .14¾ - —
dms., l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .12¼ - —
Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms. c.l., works lb. .37½ - —
dms., l.c.l., works lb. .38¼ - —
n-Butyl ether dms., c.l. works lb. .35¼ - —
dms., l.c.l., works lb. .36 - —
tanks, works lb .33¼ - —
Butyl lactate, dms. c.l. frt allid E. of Rockies lb. .42½ - —
dms., l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40 - —
Butyl laurate, dms. works lb. .37½ - —
Butyl methacrylate, dms., c.l., t.l., works lb. .55 - —
dms., l.c.l., works lb. .55½ - —
Butyl oleate, refd., dms., l.c.l., works lb. .32 - —
Butyl phenylacetate, dms lb. 4.50 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate, dms. c.l. frt allid, E. of Mississippi lb. .27¼ - .27½
dms., l.c.l., same basis lb. .28¼ - —
Butylamine (see Mono-, Di- and Tri-butylamine)
6-tert-Butyl-m-cresol, dms., c.l., works lb. .55 - —
dms., l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p-cresol)
p-tert-Butylphenol, bgs., c.l., works, lb. .27½ - —
bgs., l.c.l., works lb. .28½ - —
Butyraldehyde, dms., c.l., dlvd lb. .22 - —
dms., l.c.l., dlvd. lb. .23 - —
tanks, dlvd lb. .19¼ - —
Butyric acid, 99%, dms., c.l., frt. equald lb. .34 - —
dms., l.c.l., same basis lb. .34½ - —
tanks, same basis lb. .32½ - —
Butyric ether (see Ethyl butyrate).

## C

Cacao butter (see Cocoa butter).
Cadmium CP red, dark shade, bbls., frt. allid. E. of Rockies lb. 5.45 - —
Light shade, bbls., same basis lb. 4.55 - —
Medium shade bbls. same basis lb. 5.20 - —
Medium light shade bbls., same basis lb. 4.80 - —
Orange-red shade, bbls., same basis lb. 4.20 - —
Cadmium CP yellow, all shades, bbls., frt. allid E of Rockies. lb. 2.75 - —
Cadmium iodide, 25-lb. fib. dms lb 6.75 7.00
Cadmium metal, ingots or sticks, cs., dlvd. lb. 1.56 - —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. allid. E. of Rockies lb. 1.61 - —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.91 - —
light shade, bbls., same basis lb. 1.68 - —
Medium shade, bbls. same basis. lb. 1.83 - —
Medium light shade, bbls., same basis lb. 1.76 - —
Cadmium-mercury lithopone red, maroon shade, bbls., same basis lb. 1.99 - —
Cadmium-selenide lithopone, maroon, bbls., frt. allid. E. of Rockies. lb. 2.72 - —
Cadmium-selenide lithopone, maroon, dark shade, bbls., same basis lb. 2.77 - —
Orange, bbls., same basis lb. 1.54 - —
Calmium-selenide, lithopone, red, orange-red shade, bbls., same basis lb. 1.62 - —
Red, light shade, bbls., same basis. lb. 1.84 - —
Red, medium-light shade, bbls., same basis lb. 1.96 - —
Red, medium shade, bbls., same basis lb. 2.19 - —
Red, dark shade, bbls., same basis. lb. 2.52 - —
Cadmium-selenide lithopone yellow, all shades, bbls., frt. allid. E of Rockies lb. 1.15 - —
Caffeine, NF, citrated, dms., 100-lb. lots or more lb. 2.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more, lb. 2.50 - —
cryst., hydrous, dms, 100-lb. lots or more lb. 2.33 - —
USP, syn., cryst., anhyd., dms., 100-lb. lots or more lb. 2.50 - —
cryst., hydrous, dms. 100-lb. lots or more lb 2.33 - —
Cajuput oil, native, cns lb. 1.75 - 3.30
Redist., USP, cns lb. 1.90 - 2.10
Calamine, USP, dms lb. .34 - —
Calamus oil, bots lb.12.00 -20.00
Calciferol, cryst., 10-kilo or more lots, works gram. .54 - —
1-10 kilo lots gram. .55 - —
Calciferol in edible oil (see Viosterol).
Calcium p-aminosalicylate trihydrate, fib. dms., 100 lbs. or more frt adjusted lb 4.00 - —
Calcium arsenate, dealers, bgs., c.l., frt. allid lb. .09 - .09½
bgs., l.c.l. same basis lb. .10 - .10½
Calcium bromide, NF, 100 lbs. or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb. dms. c.l., dlvd ton.149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton.10.50 - —
chalk, whiting, 325 mesh, bgs., c.l., works ton.32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00
Calcium carbonate, precip., dense, bgs., c.l. works ton.32.50 - —
bgs., l.c.l., works ton.42.50 - —
medium, bgs., c.l., works ton.38.00 - —
bgs., l.c.l., works ton.48.00 - —
surface treated bgs., c.l., works, ton.37.50 - —
bgs., l.c.l., works ton.47.50 - —
ultrafine, bgs., c.l., works ton.110.00 -160.00
bgs., l.c.l., works ton.120.00 -175.00
Calcium chloride, flake, 77-80%, paper bgs. c.l., works, frt equald ton.31.00 - —
Calcium chloride, conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald, ton.37.80 - —
powd., paper bgs., c.l., works, ton.37.00 - —
Gran., purif., dms. lb. .27 - —
USP, dms. lb. .32 - —
Liquor, 40%, tanks, frt. equald, ton.12.50 - —
Calcium chloride, solid, 73-75%, dms., c.l., frt. equald ton.29.50 - —
dms. l.c.l., works, frt equald ton.36.00 -73.00
Calcium chromate, bgs., frt. equald, lb. .29½ - .30
Calcium cyanide, dms., c.l., dlvd E. of Rockies lb. .20 - —
dms., l.c.l., same basis lb .24 - .55
Calcium cyclamate, 100-lb dms lb 2.95 - —
Calcium gluconate, AA, dms lb. .76 - —
USP, dms. lb. .67 - .69
Calcium hydride, lump dms. works, lb. 2.20 3.00
Calcium hypochlorite, high test, 45-lb cs. dlvd E of Rockies cs.22.95 -25.10
100-lb. dms., same basis dm.30.80 -34.50
Calcium hypophosphite, dms., 1,000-lb lots lb 1.28 - —
Calcium iodide, jars lb. 4.52 - —
Calcium lactate, NF, dms., 10,000-lb. lots or more, works lb. .36 - .40
smaller lots, works lb. .41 - .46
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Calcium naphthenate, liq., 4% Ca., dms., frt. equald lb. .30 - —
Calcium pantothenate, dms., frt. adjusted kilo.35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenolsulfonate, dms. lb. .99 - 1.00
Calcium phosphate dibasic, USP, bgs., c.l. frt equald 100 lbs. 8.25 - —
bgs., l.c.l., frt. equald 100 lbs. 9.00 - —
Feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton.83.25 - —
bgs., c.l., t.l., f.o.b. Texas City works ton.77.70 - —
bgs., l.c.l., frt. equald ton.93.25 - —
21% P., bgs., c.l., t.l., frt. equald ton.94.50 - —
bgs., l.c.l., frt. equald ton.104.50 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bg., c.l. prices.
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald, 100 lbs. 7.45 - —
bgs., smaller lots, same basis, 100 lbs. 7.95 - —
Calcium phosphate, tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald 100 lbs. 10.00 - —
Calcium phytate, bgs. works lb. .50 - —
Calcium resinate precip. dms. ton lots, frt. allid., works lb. .36¼ - —
Calcium silicate, hydrated, bgs c.l., works lb. .06 - —
bgs., l.c.l., works lb. .06½ - —
Calcium silicate, paint grade (see Wollastonite).
Calcium stearate, ctns., c.l. lb. .39 - —
ctns., l.c.l. lb. .40 - .44
Calcium sulfate (see Gypsum).
Calomel, NF X, powd., 100-lb. dms.lb. 5.42 - —
Camphene, 46° m.p., dms incl., c.l., works lb. .15 - —
dms. incl., l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.68 - 3.70
Camphor, nat., USP, powd., cs., 100-lb. lots lb. .60 - .65
tablets, 1-oz., ½ oz cs lb. .85 - .90
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots lb. .61 - —
tablets, ctns., 1,000-lb. lots lb. .85 - —
ctns. 500-lb lots lb. .86 - —
ctns. smaller lots lb. .87 - —
tech., 1 bbl. or more lb. .48 - —
Camphor oil, sassafrassy, dms. lb. .26 - .50
White, dms. lb. .29 - .50
Cananga oil, native, cns lb. 7.25 - 7.85
Rectified, cns lb. 9.55 -12.65
Candelilla wax, crude, bgs lb. .53 - .54
Refd., bgs. lb. .60 - .62
Powdered Candelilla wax, 20 to 100 mesh, 8c. higher
Cantharides, Chinese, cs. lb. 2.00 - 2.05
powd., bxs lb. 2.25 - 2.30
Russian, bgs. lb. 2.75 - —
powd., bxs. lb. 3.00 - 3.25
Capric acid, CP, dms lb. .27 - .29
tanks lb. .25 - —
Caprylic alcohol, 85% dms., c.l., and t.l., works lb. .19 - —
dms., l.t.l., same basis lb. .19½ - —
tanks, frt. equald lb. .16½ - —
Sec., 92-99%, dms., c.l. lb. .22 - —
dms., l.c.l. lb. .23 - —
tanks lb. .19½ - —
Caprylic acid, dms. lb. .27 - .29
tanks lb. .25 - —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms lb. 4.00 - 4.75
NF, from African pepper, dms. lb. 4.50 - 5.25
Caraway seed, Dutch, bgs lb. .10 - —
Polish, bgs. lb. .08¾ - —
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbon black, channel, rubber beads, bulk, c.l., works lb. .07¼ - —
bgs., c.l., works lb. .07¾ - —
bgs., l.c.l., works lb. .14½ - —
Furnace, fast extruding, bgs., c.l., works lb. .06¾ - —
ctns., l.c.l., whse. lb. .12½ - —
high abrasion, bulk, c.l., works, lb. .07¼ - —
bgs., c.l., works lb. .07¾ - —
bgs., l.c.l., dlvd. or whse lb. .13½ - —
high modulus, bgs., c.l., works, lb. .06¼ - —
ctns., l.c.l., whse. lb. .12 - —
semi-reinforcing, bgs. c.l., works, lb. .05¾ - —
bgs., ctns., l.c.l., whse. lb. .11½ - —
Carbon black, pigment, high color beads, ctns., c.l., works lb. .72 - —
ctns., l.c.l., dlvd. or whse lb. .79 - —
medium color, uncompressed, bgs., c.l., works lb. .13½ - —
bgs., l.c.l., dlvd. or whse lb. .21 - —
Carbon dioxide, indust., wholesale, bulk, dlvd. Metropolitan area ton.73.00 -115.00
cyls., works lb. .08 - .09
Solid, wholesale, works lb. .035 - .040
Carbon disulfide, 55-gal. dms., c.l., works, frt. equald, to competitive points lb. .07 - —
55-gal. dms. l.c.l. same basis lb. .08½ - .09
5-gal. dms., 30 dms. to c.l., same basis lb. .12 - —
5-gal. dms., less than 30 dms., same basis lb. .16 - —
tanks, dlvd. lb. .0543 - —
Carbon tetrachloride, CP, consumers, dms., c.l. frt. allid lb. .12¾ - —
l.c.l., frt. allid lb. .15¼ - —
Carbon tetrachloride, tech., consumers, dms., c.l., t.l., frt. allid lb. .11¾ - —
dms. l.c.l. t.l.l. frt. allid lb. .14¼ - —
tanks frt. allid lb. .10¾ - .11¼
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms. 100-lb lots, works lb 4.00 4.25
dms. smaller lots, works lb 4.10 4.75
Cardamom oil, NF bots. lb.45.00 -48.00
Cardamom seed, bleached, "A," lb 2.95 - —
Bleached, "B" lb 2.80 - —
Decorticated Alleppy, cs. lb. 2.80 - —
Guatemala, cs. lb. 2.75 - —
Green, Alleppey, bgs. lb. 2.15 - —
Ceylon, bgs. lb. 2.15 - —
Carmine No. 40, NF bulk, 100-lb lots or more dlvd lb.16.80 - —
bulk smaller lots dlvd lb 16.90 -17.30
Carnauba wax, chalky, bgs., ton lots lb. .68 - .69
North country No. 2 crude, bgs., ton lots lb. .77 - .78
refd., pure, ton lots lb. .92 - .94
North country No. 3, Ceara, crude, bgs., ton lots lb. .71 - .72
Ceara refd., pure, bgs., ton lots lb. .82 - .84
Parnahyba, crude, bgs., ton lots lb. .73 - .75
Parnahyba, refd., pure, bgs., ton lots lb. .82 - .84
Yellow, No. 1, Ceara, bgs., ton lots lb. 1.22 - 1.25
No. 1, Parnahyba, bgs., ton lots lb. 1.24 - 1.27
Powdered carnauba wax 20 to 100 mesh, 8c. higher
Carotene tech 1,350,000 A units per gram tins 5-10 kilo lots, dlvd gram. .24½ - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .12 - —
USP, microcrystalline in oil, 400-000 A units per gram., dms., dlvd million units. .174 - —
b-Carotene in vegetable oil, semi-solid suspension, 400,000 A units per gram, cns kilo.69.60 - —
Liquid in vegetable oil, 500,000 A units per gram, cns kilo.87.00 - —
Pure, cryst., 1,800,000 to 1,870,000 A units per gram cns. gram. .29 - —
Carvol, bots. oz. 5.00 5.40
Cascara sagrada bark, bulk lb. .35 - .36
Casein, dom. edible, acid precip., 30 mesh, bgs., 10,000-lb. lots or more works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb. lots or more, works lb. .64 - —
Imp., edible, acid-precip. grd., Argentine, bgs., c.l lb. .19 - .19½
New Zealand, bgs., c.l lb. .23½ - .24
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
dms., ton lots, same basis lb. .23 - —
dms., dm. lots, same basis lb. .25 - —
Cassella acid, dms. frt allid., 100% basis lb 1.44 1.75
Cassia, Padang, "A," bls lb. .80 Nom.
"B" lb. .78 Nom.
"C" lb. .75 Nom.
Korintje "A" lb. .80 Nom.
"B" lb. .78 Nom.
"C" lb. .75 Nom.
Cassia oil (see Cinnamon leaf oil, USP).
Castor oil, dom., blown, dms., c.l. lb. .2650 - —
dms., l.c.l. lb. .2750 - —
dehydrated, bodied, dms., c.l. lb. .2750 - —
dms., l.c.l. lb. .2910 - —
tanks lb. .2600 - —
unbodied, dms., c.l. lb. .2660 - —
dms., l.c.l. lb. .2760 - —
tanks lb. .2460 - —
hydrogenated, bgs., ton lots lb. .3125 - —
bgs., l.c.l., dlvd. lb. .33.50 - —
No. 1, dom., dms., c.l. lb. .2300 - —
dms., l.c.l. lb. .2400 - —
tanks lb. .20½ - —
Castor oil, dom., No. 3, tech., dms., c.l. lb. .22¼ - —
dms., l.c.l. lb. .23¼ - —
tanks lb. .20¼ - —
Refd. and deodorized, dms., c.l. lb. .2750 - —
dms., l.c.l. lb. .2850 - —
USP, dms., c.l. lb. .2450 - —
dms., l.c.l. lb. .2550 - —
tanks lb. .2250 - —
Imp., No. 1, Brazilian, tanks lb. .1600 - —
Castor oil, sulfonated, 50%, dms., works lb. .15 - .15¼
75%, dms., works lb. .19½ - .20
Castor oil acids, dehydrated, dms. lb. .44¼ - .46¼
split, dms lb. .37¼ - .38¼
Castor pomace, bgs., c.l., works ton.40.00 Nom.
Castoreum, nat., cns lb. 5.25 - —
Syn., cns lb 9.00 - —
Catechol, CP, cryst., fib. dms., works lb. 2.17½ - —
Resub., dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. .75 - —
Caustic potash (see Potash, caustic).
Caustic soda (see Soda, caustic).
Cedarleaf oil, USP, XIII, cns., dms. lb. 3.10 - 4.50
Cedarwood oil, cns., dms lb. .51 - .65
Celery seed, French bgs lb. .20 - —
Indian, bgs. lb. .23 - —
Celery seed oil, bots lb.13.50 -16.00
Cellulose acetate, flake, powd., bgs., ctns., 100-lb. lots or more, dlvd E lb. .35 - .45
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
39% butyryl content, half-second, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd. E lb. .585 - .595
Cellulose gum, methyl (see Methyl Cellulose).
Cellulose gum, pure, high vis., bgs., 25,000-lb. lots or more, works, frt. allid. lb. .57 - —
bgs., smaller lots, same basis, lb. .59 - —
Cerium chloride, 48% dms., dlvd lb. .30 - —
Cerium hydrate, 74% CeO2 fib. dms., 100-lb. lots or more lb. 1.40 - —
77%CeO2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Cerium oxalate (see Rare earth oxalate).
Cerium oxide, optical grade, bgs., 50-lb. lots or more, dlvd lb. 1.85 - 1.98
bgs., smaller lots, dlvd lb. 2.03 - 2.23
Cetyl alcohol, extra fib. cns., 500-lb. lots or more lb. .65 - .73
NF, fib cns., 140-lb. lots or more. lb. .48 - —
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, bls. lb. 1.50 - —
Roman, cs. lb. 3.00 - —

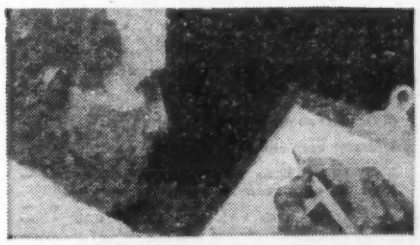
Chamomile oil, blue, Hungarian, bots. lb. 330.00 - —
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
fib. dms., 5-ton lots, works m. .25½ - .32½
fib. dms., smaller lots, works, lb. .27 - .50
Charcoal, black (see Charcoal, activated)
Charcoal, bone (see Bone, black).
Charcoal, hardwood, bulk, lump c.l., f.o.b. plant ton 55.00 - —
briquets, bulk, c.l., f.o.b. plant, ton 78.00 - 80.00
5-lb. paper bgs., c.l., same basis ton 106.00 - —
10-lb. paper bgs., c.l., same basis ton 96.00 - —
bulk, lump, 25-lb. paper bgs., c.l., f.o.b. plant ton 87.00 - —
plant ton 87.00 - —
40-lb. paper bgs. c.l., same basis ton 84.00 - —
Charcoal, pinewood, gran., bgs., c.l., works, South ton 69.00 - —
bgs., l.c.l., works, South ton 74.00 - 79.00
lump, bgs., c.l., works, South, ton 66.00 - —
bgs., l.c.l., works South ton 70.00 - 84.00
bulk, c.l., works, South ton 50.00 - —
bulk, l.c.l., works South ton 55.00 - —
Chenopodium oil, NF, cns. lb. 4.75 - 5.25
Cinchona, extract, comp, solid, 60% tannin, bgs. ex dock lb. .08727 - —
powd. 68% tannin, bgs., ex dock lb. .09817 - —
Chicago acid paste, bbls., frt. alld lb 3.21 - —
Chinawood oil (see Tung oil)
Chloral, tech. 94% min, dms., c.l., works lb .23 - —
dms., l.c.l., works lb .24 - —
tanks, multiple units, 5 cars, works lb .21 - —
Chloral hydrate, USP, jars, 1,000-lb lots lb 1.00 - —
jars, 500-lb. lots lb 1.03 - —
jars, 100-lb lots or less lb 1.05 - —
Chlorinan, agricultural, dms., c.l., frt. alld lb .65 - —
dms., l.c.l., 5,000 to 10,000-lb. lots, frt. alld lb .66 - —
Clarified, dms., c.l., frt. alld, lb. .69 - —
dms., l.c.l., 5,000-10,000-lb lots, frt. alld lb. .70 - —
Chlorinated paraffin, 40% dms., c.l. frt. alld lb 16¼ - —
dms. l.c.l. 10 dms or more, same basis lb. .17¼ - —
70% dms., c.l. same basis lb 18½ - —
dms. l.c.l. 10 dms or more, same basis lb 19½ - —
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works lb .60 - —
ctns. l.c.l. works lb. .61 - —
125-1,000 cps. ctns., c.l., works, lb. .70 - —
ctns. l.c.l., works lb. .71 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .11 - —
cyls., l.c.l. Metropolitan area, lb. .12½ - .13¾
tanks, single units, works, frt. equald 100 lbs. 3.15 - —
tanks, multiple units, 5 cars, works frt equald 100 lbs 4.05 - —
tanks, multiple units, 4 cars, same basis 100 lbs. 4.25 - —
tanks, multiple units, 2 cars, same basis 100 lbs. 5.25 - 5.75
tanks, multiple units, 1 car, same basis 100 lbs. 6.25 - 7.25
Chloroacetic acid, mono, flake 99%, dms. c.l. lb. .23½ - .25½
dms., l.c.l. lb. .24½ - —
tech. flake, 96-97% dms., c.l., frt. equald lb. .19 - —
dms. l.c.l., frt. equald lb. .20 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., min 10,000 lbs. or over, frt. alld lb. .84 - —
dms., less than 10,000 lbs. same basis lb. .89 - —
tanks, same basis lb. .82 - —
o-Chloroaniline, dms., c.l., frt. alld. lb. .52 - —
dms. l.c.l. same basis lb. .54 - —
tanks, same basis lb. .50 - —
p-Chloroaniline, dms. c.l., frt. alld. lb. .77 - —
dms., l.c.l. same basis lb. .79 - —
o-Chlorobenzaldehyde, dms., t.l., works, dlvd to N.Y. Metropolitan area lb 1.05 - —
dms. l.c.l. same basis lb 1.20 - —
p-Chlorobenzaldehyde, dms., l.c.l., works, dlvd. to N. Y. Metropolitan area lb. 1.95 - —
o-Chlorobenzoic acid, fib. dms., t.l., works lb 1.10 - —
fib. dms., smaller lots works lb 1.25 - —
p-Chlorobenzoic acid, fib dms., 2,000-lbs. or more, works, lb. 2.25 - —
fib dms. less than 2,000-lbs., same basis lb 2.30 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms. lb. .30 - —
3-Chloro-4-nitroaniline, paste, dlvd. E., 100% basis lb. .81 - —
Powd., dlvd E., 100% basis lb. .86½ - —
4-Chloro-2-nitroaniline, powd. dlvd. E lb. .80½ - —
o-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
p-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
Chloropicrin, comt., bots. lb. 1.50 - —
cyls., 180 lbs., frt. alld lb. .95 - —
cyls. 100 lbs., same basis lb. .97 - —
cyls., 25 lbs., same basis lb. 1.22 - —
Chlorosulfonic acid, dms., c.l., frt. equald lb. .0465- —
dms. l.c.l. frt equald lb. .0515- —
tanks, frt equald lb. .0415- —
Chlorosulfonic acid, in stainless steel dms ½c per lb higher.
Choline bitartrate, fib dms., frt. adjusted kilo. 2.75 - 3.00
Choline chloride, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Chrome green, CP, dark, light medium blue content 1 to 15%, bbls., dlvd. E. of Rockies lb. .40 - .42
blue content 16-30%, bbls., same basis lb. .40 - .42
blue content 31-45%, bbls., same basis lb. .41 - .43
blue content 45-49%, bbls., same basis lb. .44 - .46
Reduced color, 25% lb. .19 - .20
Chrome green prices 1c. higher W. of Rockies.
Chrome orange, CP, bbls., dlvd. E. of Rockies lb. .35 - —
Chrome orange prices 1c. higher W. of Rockies.
Chrome yellow, CP, bbls., dlvd. E. of Rockies lb. .35 - —
Chrome yellow price 1c. higher W. of Rockies.

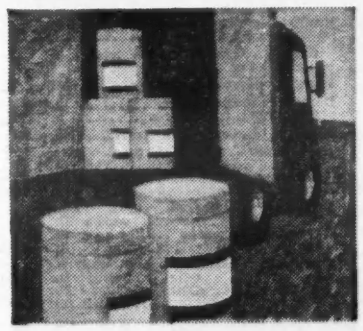
Chromic acid, 99¾% dms. c.l., works frt equald lb. .29½ - —
dms., l.c.l., dlvd New York Metropolitan area lb. .30 - .31
Chromic acid, NF (see Chromium trioxide)
Chromium acetate, soln., 7½%, bbls., works lb. .09½ - —
cbys., works lb. .11¼ - —
Chromium fluoride, bbls. works lb .51 - .52
Chromium oxide, hydrated, bbls., fib dms., c.l. frt. alld lb. 1.20 - —
Pure, bgs., c.l., frt. alld lb. .44½ - —
bgs., l.c.l. same basis lb. .45¼ - —
Chromium trioxide, NF, bots lb 1.15 - —
Cinchona bark, NF, red, broken, bgs. lb 35 - 40
NF yellow, broken bgs lb .35 - 40
Cinnamic acid, refd, bots lb 2.50 - 3.50
Cinnamic alcohol, bots. lb. 1.90 - 2.20
Cinnamic aldehyde, dms lb .95 - 1.25
Cinnamon, Ceylon, No. 2, bgs. lb. .90 - —
Ceylon, "0000," bgs lb. 1.06 - —
Cinnamon bud oil, bots. lb. 36.00 - 70.00
Cinnamon leaf oil, crude, dms. lb. 1.35 - 2.00
USP (Cassia), cns. dms lb. 8.50 - 13.50
Citral, CP, bots., cns lb. 4.05 - —
Extra, bots., cns. lb. 5.60 - —
Citric acid, USP, anhyd, fine gran., bgs. dms. c.l lb. 29½ - .30
bgs. dms. 10,000 lb lots, f shipt lb .30 - .30½
bgs. dms. smaller lots lb .30½ - .31
hydrous, fine gran. bgs. dms., c.l lb. 27½ - .28
bgs. dms. 10,000-lb lots, f shipt lb .28 - .28½
bgs. dms. smaller lots lb .29 - .29½
Powdered citric acid ½c higher
Citronella oil, Ceylon, cns., dms. lb. .65 - 1.00
Java-type, cns. lb. .70 - .85

Citronellal, bots., dms. lb. 1.90 - 2.10
Citronellol, bots., dms lb. 2.90 - 3.40
Civet, artif., bots oz 13.75 - 15.00
Nat., bots oz 8.50 - 15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn ton. 17.50 - 21.50
crushed, shed, moisture, bulk, c.l., Tenn ton. 8.00 - 11.00
Imp., airfloated, bgs., c.l., Atl. port net-ton. 42.00 - 45.75
lump, bulk, Atl. port net-ton. 29.50 - 35.75
Clay, China, dom., dry-grd., airfloated, 99% 325 mesh, Georgia, bgs., c.l., works. ton. 10.00 - 12.00
Georgia, bgs., l.c.l., works, ton. 15.50 - —
300 mesh, bgs., c.l., Georgia, works ton. 13.50 - 14.50
bgs., l.c.l., ex-whse ton. 35.00 - 36.00
Imp., white, lump, bulk, c.l., ex dock, Philadelphia, Portland, Me long-ton. 20.00 - 35.00
powd., bgs., c.l. ex dock, net-ton. 50.00 - —
bgs., l.c.l., ex whse net-ton. 60.00 - 70.00
Cleve's acid, mixed, bbls lb. 1.05 - —
Cloves, Madagascar, bgs. lb. .39 - —
Zanzibar, bgs. lb. .48 - —
Clove bud oil, USP, cns., dms. lb. 2.40 - 3.25
Clove leaf oil, crude, dms. lb. .85 - .90
CMC, crude, 96.4% low or medium vis. bgs or fib dms., 23,000 lbs. dlvd E., 100% basis lb. .41½ - —
bgs. or fib dms., less than 23,000 lbs. dlvd E., 100% basis lb. .43½ - —

CMC, crude, 65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb .41½ - —
bgs., or fib. dms., l.c.l., dlvd. E. 100% basis lb. .43½ - —
CMC, purif. high vis (see Cellulose gum).
CMC, standard low or medium vis., bgs. 23,000 lbs works, frt alld lb. .57 - —
bgs. smaller lots same basis, lb .59 - —
CMC prices W. of the Rockies are 2c per lb. lower and are on a works basis
Coaltar, crude, resale for solns., tanks, works gal. .16 - —
Refd., resale, indust., dms., c.l., ex whse gal. .33 - —
dms., l.c.l., ex whse gal. .39 - —
tanks, works gal. .20½ - —
Coaltar pitch, aluminum, bulk, works ton 40.00 - 42.00
Carbon and indust, bulk, works ton 40.00 - —
Core, bulk, works ton. 36.50 - —
Fiber, bulk, works ton 44.00 - —
Roofing, 140-155°F., Federal Specification RP-381 Type I, tanks, works ton. 41.00 - —
Cobalt acetate, 23.7% Co dms. dlvd lb 1.10 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies lb. 4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.


# WHEN THE TIME COMES TO ORDER ORGANIC ACIDS...





CITRIC ACID • GLUCONIC ACID
TARTARIC ACID • OXALIC ACID
FUMARIC ACID

# COUNT ON PFIZER FOR CONVENIENT FORMS AND FAST DELIVERY

DEPENDABILITY is an important reason why Pfizer organic acids are chosen so often for so many industrial applications. Dependability of product, backed by over a century of experience.

Dependability of delivery, possible because Pfizer warehouses across the country keep adequate stocks within short haul of plants everywhere.

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Pfizer

Cobalt blue, imitation (see Ultramarine blue).
Cobalt carbonate, 48% Co, powd., bgs., dlvd lb. 1.57 - —
Cobalt chloride, 24.2% Co, dms., dlvd lb. 1.05 - —
Cobalt hydrate, 60-61% Co, dms., dlvd lb. 3.20 - —
Cobalt linoleate, fused 8½% Co, dms. lb. .71½- —
Liq., 6% Co, dms. lb. .57½- —
Cobalt metal, 97-99%, kgs., ex whse. lb. 2.00 - —
Cobalt naphthenate, liq., 6% Co, dms., dlvd lb. .48¾- —
Cobalt nitrate, 20.1% Co bbls. dlvd. lb. .85 - —
Cobalt oxide, black, 72½-73½% Co, kgs lb. 1.52 - —
70-71% Co, kgs lb. 1.48 - —
Cobalt phosphate powd., 32.1% Co, kgs., dlvd lb. 1.43 - —
Cobalt resinate, fused, 3% Co, dms. lb. .29½- —
Cobalt sulfate, cryst., 21% Co, dms., dlvd lb. .69 - —
Cobalt sulfate, monohydrated, 33% Co, dms., dlvd lb. 1.17 - —
Cobalt tallate, 6% Co, dms., dlvd. lb. .44 - —
Cocaine, USP, cns., 100-oz lots oz.17.80 - —
Cocaine hydrochloride, cns., 100-oz. lots oz.13.75 - —
Cocillana bark, bls. lb. .22 - —
Cocoa butter, bgs. lb. 1.03 - 1.08
Coconut oil, crude, tanks, New York lb. .14¾- —
tanks, Pac. coast lb. .13½- —
Refd., deodorized, dms., l.c.l. lb. .24 - —
Coconut oil acids, dist., dms lb. .22½- .25
tanks lb. .20 - —
double dist. (stripped), dms. lb. .23½- .26
tanks lb. .21 - —
Cod oil, Newfoundland, dms. lb. .10 - .10½
Codeine, NF cns., 100-oz lots oz.13.25 - —
Codeine hydrochloride, cns., 100-oz. lots oz.11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots oz.10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots oz.10.75 - —
Codliver oil, USP, dms. gal. 1.45 - 1.50
Cohosh root, black, bls. lb. .20 - .22
Blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz.29.00 - 35.50
Colchicum root, bls. lb. .35 - —
Colchicum seed, bgs. lb. .55 - —
Collodion, USP, dms. lb. .32½- —
Flexible, dms. lb. .34 - —
Colocynth pulp, bls. lb. .72 - —
Colombo root, bls lb. .15 - .16
Condurango bark, bls lb. .26 - —
Congo copal gum, No. 1, bgs. lb. .25 - .26
No. 2, bgs lb. .22 - .24
No. 3, bgs. lb. .15¾- .17
Copaiba balsam, cns., dms. lb. .40 - .90
Copaiba oil, cns. lb. 1.75 - 2.50
Copper acetate, bbls., c.l., works. lb. .53 - —
bbls., l.c.l., works lb. .54 - —
Copper carbonate, 55%, bgs., c.l., works lb. .3100- —
bgs., l.c.l. works lb. .3250- —
Copper chloride, cupric, anhyd., dms., works lb. .41 - .41½
Cryst., dihydrate, dms., works. lb. .27½- .28
Cryst., dried, dms., works lb. .35¾- .36¼
Copper chloride, cuprous, dms., works lb. .3575- .3875
Copper cyanide, tech, dms. 20,000-lb. lots or more lb. .609 - —
dms., 1,000-lb. lots or more lb. .619 - —
dms., smaller lots lb. .639 - .659
Copper gluconate, dms. lb. 3.20 - —
Copper hydrate, dms., c.l., frt. alld. E. of Miss lb. .47¼- —
dms., l.c.l., same basis lb. .47¾- —
Copper metal, electrolytic dlvd. Valley basis lb. .25 - —
Copper naphthenate, liq., 8% Cu, dms., frt. alld lb. .26½- —
Copper nitrate, tech., cryst., dms., works lb. .28½- .30½
Copper oleate, solid, 9% Cu, dms., works lb. .45 - —
Copper oxide, black, bbls., 100-5,000-lb. lots, works lb. .41¼- —
Copper oxide, red, 97% USN Type I, bbls., 100-5,000-lb lots. lb. .41¼- —
90% USN Type II, bbls., 100-5,000-lb lots or more, works. lb. .39¼- —
Copper oxychloride, dms., c.l., works lb. .52 - —
dms., l.c.l., works lb. .53½- .63½
Copper quinolinolate, 18% Cu, dms., ton lots lb. 4.25 - —
10% active quinolinolate, dms. lb. 1.14 - 1.15
Copper resinate, precip., dms., frt. alld lb. .36½- —
Copper sulfate, CP, gran., dms., works lb. .1770- —
Cryst., 99%, bgs., c.l., works. 100 lbs.10.70 - —
bgs., l.c.l., same basis 100 lbs.11.20 -13.70
Copper sulfate, monohydrated, 35%, dms., c.l., works 100 lbs.20.65 - —
dms., l.c.l., works 100 lbs.21.40 - —
Copper sulfate, tribasic, distributors, bgs., c.l., same basis 100 lbs.24.40 - —
bgs., l.c.l., same basis 100 lbs.25.40 -28.40
Copper, undecylenate dms. lb. 2.75 - —
Copra, Atl., Gulf ports, c.i.f. ton.185.00 - —
Pac. ports, c.i.f. ton.180.00 - —
Coriander oil, Dutch, USP, bots lb. 9.25 - —
Russian, USP, bots lb.11.50 -12.50
Coriander seed, Moroccan, bgs lb. .09 - —
Rumanian, bgs. lb. .07 - —
Yugoslavian, bgs. lb. .08½- —
Corn oil, crude, tanks, works lb. .1300- —
Foots (soapstock) acid 95%, tanks, New York lb. .05 - —
Refd., salad, dms. lb. .1873- .1900
tanks lb. .1673- —
Corn oil acids, dist., dms. lb. .17¼- .20
tanks lb. .14¾- —
Corn starch (see Starch, corn).
Corn sugar, tanners, chipped paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.33 - —
paper bgs., l.c.l. 100 lbs. 7.58 - —
Corn syrup 42° Be non-ret. dms. c.l. 100 lbs. 7.31 - —
non-ret. dms. l.c.l. 100 lbs 7.46 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate USP bulk gram 3.50 3.55
Costus oil bots oz 6.00 —
Cottonseed meal, 41%, bgs., Memphis ton.60.00 -60.50
Cottonseed oil, crude, tanks, South, East lb. .12⅝ Nom.
tanks, Valley lb. .12⅝ Nom.
tanks, Texas, Lubbock lb. .11¾ Nom.
tanks, Texas, Waco lb. .11½ Nom.
Foots (soapstock) acid 95%, tanks, New York lb. .04 - —
Refd., Salad, dms. lb. .16 - .1625
tanks lb. .16 - —
Cottonseed oil acids dist., dms lb. .16¾- .19¼
tanks lb. .14¼- —
Cottonseed pitch, raw, dms., works, lb. .03 - .03¼
tanks, same basis lb. .02¾- —
Coumarin, NF, cryst., dms lb. 3.60 - 3.70
Cramp bark, NF, bls lb. .85 - .90
Cream of tartar (see Potassium hitartrate).
Creosote carbonate, NF, bots., cbys., lb. 3.05 - 3.26
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
crude, soln. 80% tanks, works, gal. .192 - —
refd., dms., c.l., works gal. .42 - .44
dms., l.c.l. same basis gal. .53 - .55
tanks same basis gal. .33 - .35
Creosote oil (see Creosote coaltar).
Creosote, wood, beechwood, cbys., dms lb. 1.60 - 1.65
Hardwood, NF, bots., cbys lb. 1.30 - —
Pinewood, dms., incl., c.l., works. lb. .0561- —
dms. incl., l.c.l., works lb. .0634- —
dms. incl., l.c.l., ex whse, New York lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld lb. .16½- —
non-ret. dms., l.c.l. same basis lb. .17½- —
tanks, same basis lb. .145 - —
Cresol, USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
dms., l.c.l., works lb. .61 - —
m-p-Cresol, 5-95%, 3°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
m-p-Cresol, 2.97%, 2°C., dms., c.l., frt. equald lb. .22 - —
dms., l.c.l. same basis lb. .23 - —
tanks, same basis lb. .20 - —
o-Cresol, 30.5°C. m.p and over, ret. dms., c.l., frt. equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
30°-30.49°C., m.p., dms., c.l., frt. equald lb. .16½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks same basis lb. .14½- —
29°-29.9°C., m.p., dms., c.l., frt. equald lb. .16 - —
ret. dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14 - —
25-28.9°C., m.p., dms., c.l., frt. equald lb. .15 - —
ret. dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Cresol, 98% dms., c.l., dlvd lb. .52 - —
dms., l.c.l., dlvd lb. .53 - —
tanks, dlvd lb. .49 - —
2,3-Cresotic acid, dms., ton lots, works lb. .70 - —
dms., smaller lots, works lb. .72 - —
p-Cresyl methyl ether, cns lb. 1.80 - 2.05
Cresylic acid, coaltar dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt. equald. gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Cresylic acid, coaltar, dom., meta-para content 25% or less, dms., c.l., t.l., same basis gal. 1.20 - —
dms., l.c.l., same basis gal. 1.25 - —
tanks, frt. equald gal. 1.00 - —
Cresylic acid, coaltar, imported, meta-para content, 25% or less, f.o.b., works, frt. equald to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms., same basis. gal. 1.05 - 1.15
tanks, same basis gal. 1.00 - —
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24½- .25
Crotonic acid, fib dms., 200 lbs or more, works lb. .51 - —
Cryolite, nat., tndust., bgs., c.l., works 100 lbs.13.00 - —
bgs., l.c.l., works 100 lbs.14.25 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .27 - —
Cubeb berries, XX, NF, bgs lb. .90 - —
Powd., cs lb. .95 - —
Cubeb oil, cns. lb.12.00 -15.00
Cumene, dms., c.l., works lb. .12 - —
dms., l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin oil, bots., cns lb. 7.50 -12.50
Cumin seed, Iranian, bgs lb. .24 - —
Moroccan, bgs. lb. No prices.
Turkish, bgs lb. No prices.
Cutch extract, 55% tannin, bgs., ex dock lb. .07½- —
Cyanamide, fertilizer mixing grade, 21% N, gran., bgs., Niagara Falls, Ont., contract ton.57.00 - —
pulv., 21% N, bgs., works. unit-ton. 2.85 - —
tndust., grade, bgs., c.l., works ton.75.00 - —
bgs., l.c.l. works ton 96.00 - —
Cyanamide, indust. grade, 6-16 mesh, dms., c.l., works ton.120.00 - —
dms., l.c.l., works ton.140.00 - —
Cyanoacetic acid, tech., bbls lb. .90 - 1.25
Cyclohexane 99% tech dms., c.l., dlvd. E. of Rockies gal. 1.02 - —
dms., l.c.l., same basis gal. 1.10 - —
dms., c.l., dlvd. W. of Rockies, gal. .77 - —
l.c.l., same basis gal. .85 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .26½- —
dms., l.c.l., works same basis lb. .27½- —
tanks, works, same basis lb. .24 - —
Cyclohexanone, tech., dms., c.l., works lb. .32½- —
dms., l.c.l., works lb. .35 - —
tanks, works lb. .29 - —
Cyclohexylamine, dms., c.l., works. lb. .49 - —
dms., l.c.l., works lb. .50 - —
tanks, works lb. .47 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl.48.00 - —
6-oz cyls., works cyl.12.00 - —
Cyclopropane, USP, hospitals, cyls., 40-gal. lots gal. .42 - —
cyls., 100-gal. lots gal. .41 - —
cyls., 200-gal. lots gal. .40 - —
Cypress oil, bots lb 5.30 - —

## D

2,4-D, tech., bgs., dms., c.l., works, frt. equald lb. .40 - —
bgs. dms. l.c.l. same basis lb. .45 - .49
2,4-D butyl ester, dms., c.l., works lb. .43 - —
dms., l.c.l., same basis lb. .48 - .52
tanks, same basis lb. .43 - —
2,4-D isopropyl ester, dms., c.l., works lb. .43 - —
dms., l.c.l., works lb. .48 - .52
tanks, works lb. .42 - —
Dammar gum, Batavia, A/B cs lb. No stocks.
dust, bgs lb. No stocks.
E, bgs lb. No stocks.
East India, Batu, bold, bgs lb. .13¾- .15
nubs and chips, bgs. lb. .08¼- .09½
black, bold, bgs. lb. .14½- .16½
unscraped, bgs lb. .13 - .14½
nubs and chips, bgs. lb. .12¼- .13½
pale, chips, bgs. lb. .13 - .15
nubs, bgs. lb. .17¾- .20
Siam, cs. lb. .33 - .35
Singapore, No. 1, bgs lb. .39 - .43
No. 2, bgs lb. .31¼- .34
No. 3, bgs. lb. No stocks
dust, bgs. lb. .17 - 19
seeds, bgs. lb. No stocks.
Dandelion root, bls lb. .28 - —
DDD, tech. flake, grd., fib. dms., c.l., works lb. .45 - .47
fib. dms., l.c.l., works lb. .46 - .48
DDT, flake or lump, bgs., c.l., dlvd lb. .22 - —
bgs., smaller lots, same basis. lb. .24 - —
fib. dms., c.l., same basis lb. .23 - —
fib. dms., smaller lots, same basis. lb. .25 - —
Powdered DDT 1c. per pound higher.
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
dms., l.c.l., dlvd. lb. .43 - —
tanks, dlvd. lb. 38½- —
Decyl alcohol, mixed isomers, dms., c.l., dlvd lb. .23½- —
dms., l.c.l., dlvd. lb. .24½- —
tanks, dlvd. lb. .21 - —
Perfume grade, bots lb. 1.75 - 2.00
Decyl alcohol, normal (see 1-Decanol).
Deertongue leaves, bls. lb. .45 - —
Defluorinated phosphate, feed grade, 13% P paper bags., c.l., t.l., works ton.51.00 - —
17% P, paper bgs., c.l., works. ton.60.00 - —
paper bgs., t.l., works ton.60.75 - —
18% P, paper bgs., c.l. t.l. works ton.69.12 - —
19% P, paper bgs., works, Houston, Tex., c.l., and t.l. per ton.69.50 - —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices.
Degras, common, bbls lb. .10 - .12
Neutral, bbls. lb. .21 - .23
Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd. E of Rockies gal. .64½- .66
dms., l.c.l., same basis gal. .69½- .77
tanks, dlvd., same basis gal. .48½- .50
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, proprietary solvent, dms., c.l., dlvd E. of Rockies gal. .66 - —
dms., l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.
Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies gal. .65½- —
dms., l.c.l., same basis gal. .70½- .76½
tanks, same basis gal. .49½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .64 - —
dms., l.c.l., same basis gal. .69 - .75
tanks, same basis gal. .48 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .63 - —
dms., l.c.l., same basis gal. .68 - .74
tanks, same basis gal. .47 - —
SD23A, dms., l.c.l., dlvd. E. of Rockies gal. .655 - —
dms., l.c.l., same basis gal. .705 - .765
tanks, same basis gal. .495 - —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .66 - —
dms., l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .645 - —
dms., l.c.l., same basis gal. .695 - .795
tanks, same basis gal. .485 - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .63 - —
dms., l.c.l., same basis gal. .68 - .74
tanks, same basis gal. .47 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .66 - —
dms., l.c.l., same basis gal. .71 - .77
tanks, same basis gal. .50 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .64 - —
dms., l.c.l., same basis gal. .69 - .75
tanks, same basis gal. .48 - —
For anhyd. alcohol on above formulas, prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c. differential on tankcars is maintained.
d-Desoxyephedrine hydrochloride, bots lb.24.00 -25.00
dl-Desoxyephedrine hydrochloride, bots lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 9.40 - —
paper bgs., l.c.l. 100 lbs. 9.55 - —
Dextrin, corn, canary dark, paper bgs., c.l. 100 lbs. 9.24 - —
paper bgs., l.c.l. 100 lbs. 9.39 - —
canary light, paper bgs., c.l. 100 lbs. 9.14 - —
paper bgs. 100 lbs. 9.29 - —
white, paper bgs., c.l. 100 lbs. 8.98 - —
paper bgs., l.c.l. 100 lbs. 9.13 - —
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.
Dextrin, potato, imp., bgs. lb. .10½- .11
Dextrose, anhyd., dms. lb. .20¾- —
USP, dms. lb. .19¾- —
Diacetyl, flavor grade, bots lb. 4.30 - 4.55
Di-sec-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Di-tert-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd lb. .15½- —
dms., l.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .13 - —
Tech., dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .12½- —
Diallylamine, dms., c.l., dlvd lb. .985 - —
dms., l.c.l., dlvd lb. .995 - —
tanks, dlvd. lb. .96 - —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .93 - —
dms., l.c.l., same basis lb. .94 - —
tanks, same basis lb. .91 - —
p-Dibromobenzene, bgs., 500-lb. lots. lb. .55 - —
Dibutyl fumarate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., l.c.l., t.l., frt. alld lb. .34 - —
tanks, frt. alld lb. .30½- —
Dibutyl maleate, dms., c.l., t.l., frt. alld lb. .33 - —
dms., l.c.l., t.l., dms., frt. alld lb. .34 - —
tanks, frt. alld lb. .30½- —
Dibutyl phthalate, dms., c.l., dlvd E. lb. .32½- —
dms., l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30 - —
Dibutyl sebacate, dms., c.l., works. lb. .67½- —
dms., l.c.l., works lb. .68½- —
tanks, works lb. .65½- —
Dibutyl tartrate, dms., works, frt. alld lb. .65½- —
Dibutylamine, dms., c.l., dlvd lb. .55½- —
dms., l.c.l., same basis lb. .56½- —
tanks same basis lb. .53 - —
2,6-Di-tert-butyl-p-cresol, food grade, dms., t.l., c.l., dlvd lb. 1.20 - —
dms., l.t.l., dlvd lb 1.24 - —
Feed grade, to vitamin premix distributors dms. c.l., t.l., dlvd lb. 1.05 - —
dms. l.c.l. same basis lb. 1.07 - —
2,6-Di-tert-butyl-p-cresol, tech., dms., c.l., dlvd lb. .91 - —
dms., l.c.l., dlvd lb. .95 - —
tanks, dlvd. lb. .86 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .31 - .32
dms., l.c.l., dlvd. lb. .32 - .33
tanks, dlvd lb. .27½ - —
Dicapryl sebacate, dms., c.l., works. lb. .63 - —
dms., l.c.l., works lb. .63½ .64
tanks, works lb. .61 - —
Dichlorophenoxyacetic acid (see 2,4-D)
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld, E lb. .12¾- —
dms., l.c.l., same basis lb. .13¾- —
tanks, same basis lb. .11 - —
p-Dichlorobenzene, dms., c.l., f.o.b., works, frt. alld, E lb. .12 - —
dms., 2,000 lbs. or more, same basis lb. .14½- —
1,4-Dichlorobutane, dms., c.l., or t.l., works lb. .33½- —
dms., l.c.l., or t.l.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichlorothane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd, E lb. .15½- —
dms., l.c.l., l.t.l., same basis lb. .16½- —
tanks, same basis lb. .13 - —
Dichloropentanes dist., dms., c.l., works lb. .05 - —
dms., l.c.l., works lb. .06 - —
tanks, works lb. .03 - —
Dicyclohexylamine, dms., c.l., works. lb. .54 - —
dms., l.c.l., works lb. .55 - —
tanks, works lb. .52 - —
Dicyclohexyl phthalate, fib dms., c.l., works, frt. alld lb. .59½- —
fib. dms., l.c.l., same basis lb. .60 - —
Didecyl phthalate, dms., c.l., works. lb. .34 - —
dms., l.c.l., same basis lb. .35 - —
tanks, same basis lb. .31½- —
Dieldrin, dms, frt. alld lb. 1.80 - —
dms., l.c.l., frt, alld lb. 1.95 - —
Diethanolamine, dms., c.l., dlvd E. lb. .27 - —
dms., l.c.l., same basis lb. .28 - —
tanks, same basis lb. .24½- —
Diethanolamine lauryl sulfate, dms., c.l., frt. alld lb. .26 - —
dms., l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .25 - —
Diethyl barbituric acid (see Barbital)
Diethylbenzene, dms., t.l., frt. alld. lb. .16½- —
dms., l.t.l., same basis lb. .18½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
dms., l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Diethyl ethanolamines, dms., c.l., dlvd lb. .69½- —
dms., l.c.l., dlvd lb. .70½- —
tanks, dlvd. lb. .67 - —
Diethyl oxalate, dms., c.l., frt. alld. lb. .42 - —
dms., l.c.l., same basis lb. .43 - .45
tanks, same basis lb. .40 - —
Diethyl phthalate, dms., c.l., dlvd. lb. .31½- —
dms., l.c.l., dlvd. lb. .32½- —
tanks, dlvd lb. .29 - —
Diethyl sulfate, dms., c.l., works lb. .19½- —
dms., l.c.l., works lb. .20¼- —
tanks, works lb. .17½- —
Diethyl toluamide, 90-95% meta isomer, dms., c.l., t.l., works. lb. 2.30 - —
5-44 dm. lots, works lb. 2.35 - —
1-4 dm. lots, works lb. 2.40 - —
Diethylamine, dms., c.l., dlvd E lb. .52 - —
dms., l.c.l., same basis lb. .53 - —
tanks, same basis lb. .49½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .57 - —
dms., l.c.l. same basis lb. .58 - —
tanks, same basis lb. .55 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate)
Di-2-ethylhexyl phthalate (see Dioctyl phthalate)
Diethylene glycol, dms., c.l., dlvd, E lb. .17¾- —
dms., l.c.l., same basis lb. .18¾- —
tanks, same basis lb. .15¼- —
Diethylene glycol diethyl ether, dms., c.l., works lb. .51½- —
dms., l.c.l., works lb. .52¼- —
Diethylene glycol monobutyl ether, c.l., dms., works lb. .30¾- —
dms., l.c.l., works lb. .31¾- —
tanks, dlvd. E. lb. .28¼- —
Diethylene glycol monobutyl ether acetate, dms., c.l., works. lb. .30¾- —
dms., l.c.l., works lb. .31½- —
tanks, dlvd. E. lb. .28¾- —
Diethylene glycol monoethyl ether, dms., c.l., dlvd lb. .22½- —
dms., l.c.l., dlvd lb. .23½- —
tanks, dlvd. E. lb. .20 - —
Diethylene glycol monoethyl ether acetate, dms., c.l., works. lb. .27¼- —
dms., l.c.l., works lb. .28 - —
tanks, dlvd. E lb. .25¼- —
Diethylene glycol monomethyl ether, dms., c.l., dlvd. lb. .21 - —
dms., l.c.l., dlvd. lb. .22 - —
tanks, dlvd. E. lb. .18½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .44 - —
dms., l.c.l., dlvd. E lb. .45 - —
tanks, dlvd. E lb. .41½- —
Diethylstilbestrol, USP bots., 10-kilo lots kilo100.00 -147.50
bots., 1-kilo lot kilo.110.00 -152.50
Digitalis leaves, USP dom., dms lb 1.20 - —
Digitoxin, USP, bots gram. 4.35 - 4.75
Diglycol laurate, dms lb. .32¾- .34
Diglycol stearate, dms, ton lots lb. .26 - .28
Diglycollic acid, bgs, works lb. .14 - —
Dihexyl sebacate, dms., c.l., works. lb. .66 - —
dms., l.c.l., works lb. .67 - —
tanks, works lb. .64 - —
Dihydrazine sulfate, dms., works lb. 1.10 - 1.20

| | | | |
|---|---|---|---|
| Dihydrostreptomycin hydrochloride, bulk gram | | .0850 | .0875 |
| Dihydrostreptomycin sulfate, bulk, gram | | .0850 | .0875 |
| 1,3-Dihydroxy anthraquinone, dms., works | lb. | 2.75 | — |
| 2,2-Dihydroxy-3-5-dichloro-diphenyl-methane, pure, dms | lb. | 2.55 | — |
| tech., dms | lb. | 1.09 | — |
| Di-isobutyl ketone, dms., c.l., dlvd. | lb. | .17 | — |
| dms., l.c.l., dlvd | lb. | .18 | — |
| tanks, dlvd | lb. | .14½ | — |
| Di-isobutyl phthalate, dms., c.l., dlvd E | lb. | .31½ | — |
| dms., l.c.l., same basis | lb. | .32½ | — |
| tanks, same basis | lb. | .29 | — |
| Di-isobutylene, dms. c.l., dlvd. E | lb. | .10 | — |
| dms., l.c.l., dlvd. E | lb. | .11½ | — |
| tanks, dlvd E | lb. | .08 | — |
| Di-iso-octyl phthalate, dms., c.l., dlvd | lb. | .30½ | — |
| dms., l.c.l., same basis | lb. | .31½ | — |
| tanks, same basis | lb. | .28 | — |
| Di-iso-octyl sebacate, dms., c.l., works | lb. | .62 | — |
| dms., l.c.l., works | lb. | .62½ | .63 |
| tanks, works | lb. | .60 | — |
| Di-isopropanolamine dms. c.l., dlvd. | lb. | .23¼ | — |
| dms., l.c.l., same basis | lb. | .24¼ | — |
| tanks, same basis | lb. | .20¾ | — |
| Di-isopropylamine dms., c.l., dlvd. E of Rockies | lb. | .50½ | — |
| dms., l.c.l., same basis | lb. | .51½ | — |
| tanks, same basis | lb. | .48 | — |
| Dillseed, Indian, dewhiskered, bgs. | lb. | .11 | — |
| Dillseed oil, bots | lb. | 2.80 | 4.25 |
| Dillweed oil, dom., bots., dms. | lb. | 3.00 | 4.10 |
| Dimethyl anthranilate cns | lb. | 4.85 | 5.10 |
| Dimethyl ethanolamines, anhyd., dms., c.l., dlvd | lb. | 1.225 | — |
| dms., l.c.l., dlvd | lb. | 1.235 | — |
| tanks, dlvd | lb. | 1.20 | — |
| 70% dms. c.l. dlvd., 100% basis, contained amines | lb. | .68½ | — |
| dms., l.c.l., dlvd. 100% basis | lb. | .69½ | — |
| tanks, dlvd. 100% basis | lb. | .66 | — |
| Dimethyl hydroquinone, dms | lb. | 2.00 | 2.20 |
| Dimethyl phthalate, dms., c.l., works | lb. | .32 | — |
| dms., l.c.l. works | lb. | .33 | — |
| tanks, works | lb. | .29½ | — |
| Dimethyl sebacate, dms., c.l., works. | lb. | 1.31 | — |
| dms., l.c.l., dlvd | lb. | 1.30 | — |
| tanks, works | lb. | 1.28 | — |
| Dimethyl sulfate, 55-gal. ret. dms., c.l., works | lb. | .15 | — |
| 55-gal. ret. dms., l.c.l., works | lb. | .16 | — |
| 10-gal. ret. dms., l.c.l., works | lb. | .16½ | — |
| Dimethyl sulfide dms. c.l., works. | lb. | .16½ | — |
| dms., l.c.l., works | lb. | .17 | — |
| tanks, works | lb. | .15 | — |
| Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis | lb. | .41 | — |
| dms., l.c.l., frt. equald, 100% basis | lb. | .41½ | — |
| tanks, frt. equald, 100% basis | lb. | .31 | — |
| 40% soln., dms., c.l., frt. equald, 100% basis | lb. | .38 | — |
| dms., l.c.l., frt. equald, 100% basis | lb. | .38½ | — |
| tanks, frt. equald, 100% basis. | lb. | .31 | — |
| N,N-Dimethylaniline, dms., c.l., frt. alld | lb. | .30 | — |
| dms., l.c.l., frt. alld. | lb. | .31 | — |
| tanks, frt. alld. | lb. | .28 | — |
| N,N-Dimethylformamide, dms., works | lb. | .34 | .39 |
| tanks, works | lb. | .32 | — |
| 2,4-Dinitroaniline, dms., frt. alld | lb. | .80 | — |
| Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies | lb. | 1.56 | — |
| Dinitroaniline orange toner prices 1c. higher W. of Rockies. | | | |
| m-Dinitrobenzene, 85°C., dms. | lb. | .22 | — |
| 89° C., dms | lb. | .24 | — |
| 2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E | lb. | .15¼ | — |
| dms., l.c.l. frt. alld. E | lb. | .15¾ | — |
| tanks frt. alld E | lb. | .15 | — |
| 48°C., dms., c.l., frt. alld E. | lb. | .20¼ | — |
| dms., l.c.l. frt. alld. E | lb. | .20¾ | — |
| tanks frt alld. E | lb. | .20 | — |
| 2,4-Dinitrophenol bbls | lb. | .37 | — |
| 2,4-Dinitrotoluene, oily, dms | lb. | .11 | — |
| Refd., 63°C. dms | lb. | .23 | — |
| Dioctyl adipate, dms., c.l., works. | lb. | .42½ | — |
| dms., l.c.l., works | lb | .43½ | — |
| tanks, works | lb. | .40 | — |
| Dioctyl phthalate, dms., c.l., frt. alld | lb. | .30½ | — |
| dms., l.c.l. frt. alld | lb. | .31½ | — |
| tanks, frt alld | lb. | .28 | — |
| Dioctyl sebacate, dms., c.l., works. | lb. | .61¼ | — |
| dms., l.c.l., works | lb. | .62¼ | — |
| tanks, works, dlvd | lb. | .59¼ | — |
| 1,4-Dioxane, dms., c.l., works | lb. | .30 | — |
| dms., l.c.l., works | lb. | .30¾ | — |
| tanks, works | lb. | .28 | — |
| Dipentaerythritol, bgs., l.c.l., dlvd. E | lb. | .35 | — |
| Dipentene, dest.-dist., dms., c.l., works | gal. | .59 | — |
| dms., l.c.l., works | gal. | .63 | — |
| dms., l.c.l., ex whse | gal. | .79 | — |
| tankcars, works | gal. | .42 | — |
| Dipentene, steam dist., dms., c.l., works, South | gal. | .72 | — |
| dms., l.c.l., dlvd. New York | gal. | .91 | — |
| tanks, works, South | gal. | .55 | — |
| Dip oil (see tar acid oil). | | | |
| Diphenyl, bgs. c.l., t.l., works | lb. | .17¼ | — |
| bgs., l.c.l., works | lb. | .19 | — |
| tanks, works | lb. | .16 | — |
| Diphenyl oxide perfume grade, cns. | lb. | .65 | .85 |
| Diphenyl phthalate dms., c.l., works. | lb. | .51¾ | — |
| dms., l.c.l., works | lb. | .53¾ | — |
| Diphenylamine, refd., flake, bgs., c.l., works, frt. equald | lb. | .33 | — |
| bgs., l.c.l., same basis | lb. | .35 | — |
| Refd., fused tanks, same basis | lb. | .30 | — |
| Refd. diphenylamine in dms. ½c. per lb. higher. | | | |
| Diphenylguanidine, bgs., dms., tan lots, frt. alld. | lb. | .54 | — |
| bgs., smaller lots, frt. alld | lb. | .55 | — |
| Diphenylhydantoin-sodium USP, dms | lb. | 5.00 | 5.60 |
| Dipropylene glycol, dms., c.l., frt. alld | lb. | .17¾ | — |
| dms., l.c.l., frt. alld. | lb. | .18¾ | — |
| tanks, frt. alld. | lb. | .15¼ | — |
| Dipropylene glycol methyl ether, dms., c.l. dlvd. E | lb. | .20 | — |
| dms., l.c.l. same basis | lb. | .21 | — |
| tanks, same basis | lb. | .18½ | — |
| Dithiodibenzoic acid, dms., 1,000-lb. lots, works | lb. | 1.45 | — |
| Di-o-tolylguanidine, dms., ton lots, frt. alld. | lb. | .69 | — |
| dms., smaller lots, frt. alld | lb. | .70 | — |
| Divi-divi, 45% tannin, bgs. bis. c.l. US ports, ex dock | ton | 76.00 | Nom. |
| Divinylbenzene, 20-25%, dms., c.l., works, frt. equald | lb. | .20 | — |
| dms., l.c.l., same basis | lb. | .21 | — |
| tanks, same basis | lb. | .19 | — |
| 50-60%, dms., c.l., works, 100% basis | lb. | 1.00 | — |
| dms. l.c.l. works 100% basis. | lb. | 1.05 | — |
| Dodecylbenzene, dms., c.l., f.o.b., works, frt. equald | lb. | .14 | — |
| dms., l.c.l. same basis | lb. | .15 | — |
| tanks, same basis | lb. | .117 | — |

**Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb. and 1-lb. lots, dlvd:**

| | | | |
|---|---|---|---|
| Blue, FD&C, No. 1 | lb. | 15.65 | 17.60 |
| No. 2 | lb. | 15.65 | 17.60 |
| Green FD&C, No. 1 | lb. | 15.65 | 17.60 |
| No. 2 | lb. | 19.60 | 22.85 |
| No. 3 | lb. | 31.30 | 35.90 |
| Red, FD&C, No. 1, cns | lb | 5.90 | 7.85 |
| No. 2 | lb | 3.30 | 4.10 |
| No. 3 | lb | 19.60 | 22.85 |
| No. 4 | lb | 5.55 | 7.50 |
| Violet, FD&C, No. 1, cns | lb. | 15.65 | 17.60 |
| Yellow FD&C No 1, cns | lb | 9.15 | 11.05 |
| No. 5 | lb | 3.30 | 4.10 |
| No. 6 | lb | 3.30 | 4.10 |

**Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—**

| | | | |
|---|---|---|---|
| Black, D&C, No. 1 | lb. | 10.50 | 10.95 |
| Brown D&C No. 1 | lb. | 15.65 | 16.10 |
| Green D&C, No. 5 | lb. | 15.65 | 16.10 |
| No. 6 | lb. | 15.65 | 16.10 |
| No. 7 | lb. | 14.35 | 14.80 |
| Orange, D&C, No. 3 | lb. | 10.50 | 10.95 |
| No. 4 | lb. | 19.60 | 20.05 |
| No. 5 | lb. | 5.25 | 5.70 |

**Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—**

| | | | |
|---|---|---|---|
| Red, D&C, No. 17 | lb. | 10.50 | 10.95 |
| No. 18 | lb. | 23.55 | 24.00 |
| No. 19 | lb. | 15.00 | 15.45 |
| No. 21 | lb. | 3.10 | 3.60 |
| No. 22 | lb. | 10.50 | 10.95 |
| No. 28 | lb. | 24.20 | 24.65 |
| No. 33 | lb. | 17.00 | 17.45 |
| Violet, D&C, No. 2 | lb. | 15.65 | 16.10 |
| Yellow, D&C, No. 7 | lb. | 10.50 | 10.98 |
| No. 8 | lb. | 10.50 | 10.95 |
| No. 10 | lb. | 13.05 | 13.50 |
| No. 11 | lb. | 13.05 | 13.50 |

**Dyes, coaltar, certified colors for drugs and cosmetics, external use, 500-lb. and 1-lb. lots dlvd:—**

| | | | |
|---|---|---|---|
| Blue, Ext., D&C, No. 1, cns | lb. | 15.65 | 16.10 |
| Green, Ext., D&C, No. 1, cns | lb. | 15.65 | 16.10 |
| Red, Ext., D&C, No 1 cns | lb. | 13.05 | 13.50 |
| Yellow, Ext., D&C, No 1, cns | lb. | 10.50 | 10.95 |

**Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype) contract, dlvd. No.**

| | | | |
|---|---|---|---|
| 20 Chrysoidine Y dustless | lb. | .89 | — |
| 27 Fast light orange 2G | lb | 1.29 | — |
| 31 Phloxine 2G | lb. | 1.05 | — |
| 36 Yellow 2G | lb. | 1.18 | — |
| 40 Orange R extra, conc | lb | 1.52 | — |
| 57 Fuchsine 6B | lb. | 1.55 | — |
| 79 Scarlet 2R | lb. | 1.16 | — |
| 151 Orange AD | lb. | .79 | — |

**Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.**

| | | | |
|---|---|---|---|
| 161 Orange | lb. | .94 | — |
| 176 Fast red A | lb | 1.39 | — |
| 179 Rubine XX, conc | lb | 1.47 | — |
| 180 Blue F4B | lb | 1.31 | — |
| 185 Brilliant scarlet 3RN, conc. | lb | 1.20 | — |
| 202 Chrome blue black R, conc. | lb | 1.07 | — |
| 203 Chrome black T | lb. | .92 | — |
| 208 Fast blue SR | lb | 1.30 | — |
| 234 Brown Y | lb | 1.27 | — |
| 246 Blue black, extra conc. | lb | 1.37 | — |
| 275 Milling red 3R, conc | lb | 1.91 | — |
| 289 Navy blue 2R, conc | lb | 1.79 | — |
| 299 Black F conc | lb | 2.19 | — |
| 304 Neutral black 2B, conc | lb | 2.61 | — |
| 326 Fast scarlet 4BNC | lb | 2.12 | — |
| 332 Bismark brown RX, conc., dustless | lb | 1.37 | — |
| 365 Brilliant yellow conc | lb | 3.11 | — |
| 382 Scarlet B | lb | 2.60 | — |
| 401 Diazo black BHD | lb | .93 | — |
| 406 Blue 2B, extra conc | lb | 1.53 | — |
| 419 Red FC | lb | 1.45 | — |
| 420 Brown M | lb | 1.40 | — |
| 448 Red 4BX conc | lb | 1.69 | — |
| 518 Diamine sky blue FF, extra, conc | lb | 1.95 | — |
| 561 Brown B | lb | 2.89 | — |
| 581 Black EB, 200% | lb | 1.33 | — |
| 593 Green BY, conc | lb | 1.02 | — |

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GULF

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract dlvd. No.

| | | | | |
|---|---|---|---|---|
| 596 | Yellow brown K extra | lb | 1.26 | — |
| 620 | Yellow 2G | lb | 1.31 | — |
| 639 | Fast Yellow GG | lb | 2.12 | — |
| 640 | Yellow XX | lb | 2.30 | — |
| 655 | Yellow OX | lb | 2.64 | — |
| 657 | Malachite green V crystals | lb | 2.73 | — |
| 662 | Brilliant green G | lb | 3.62 | — |
| 667 | Milling green 6B conc | lb | 4.78 | — |
| 671 | Blue EG | lb | 1.85 | — |
| 681 | Crystal violet powder | lb | 2.15 | — |
| 698 | Violet 6BN powder | lb | 2.25 | — |
| 720 | Brilliant blue BBG | lb | 2.44 | — |
| 729 | Blue B, extra conc | lb | 3.81 | — |
| 749 | Red BX | lb | 4.76 | — |
| 800 | Chinoline yellow ZSS | lb | 2.67 | — |
| 814 | Yellow NN, conc | lb | 3.67 | — |
| 841 | Safranine GF extra, conc | lb | 4.11 | — |
| 860 | Induline base ZM | lb | 1.07 | — |
| 865 | Nigrosine J | lb | 4.76 | — |
| 922 | Blue GXX | lb | 2.22 | — |
| 978 | Black GXCF conc | lb | .38 | — |
| 1034 | Alizarin red SC | lb | 3.31 | — |
| 1078 | Alizarin cyanine green base Z | lb | 6.13 | — |
| 1085 | Alizarin blue black B | lb | 3.02 | — |
| 1096 | Golden orange GFD, single paste | lb | 3.58 | — |
| 1099 | Dark blue BO, single paste | lb | 2.26 | — |
| 1101 | Jade green N supra, double paste | lb | 1.55 | — |
| 1106 | Blue RS, double paste | lb | 3.85 | — |

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype) contract dlvd. No

| | | | | |
|---|---|---|---|---|
| 1113 | Blue BLFD, double paste | lb | 2.92 | — |
| 1150 | Olive R, Single paste dms. dlvd. | lb | 1.42 | — |
| 1151 | Brown R single paste | lb | 2.29 | — |
| 1171 | Indigo synthetic 20% paste | lb | .31 | — |
| 1217 | Orange RD, double powder | lb | 4.60 | — |
| p-4 | Brown PG | lb | 3.00 | — |
| p-24 | Gray L | lb | 2.08 | — |
| p-80 | Diazo brilliant scarlet ROAD | lb | 2.62 | — |
| p-202 | Diazo black VJ conc | lb | 2.40 | — |
| p-244 | Brilliant scarlet BN | lb | 1.70 | — |
| p-313 | Naphthol SWF | lb | 1.76 | — |

Dyes, coaltar, oil-soluble, 100-lb. drums, dlvd. No.

| | | | | |
|---|---|---|---|---|
| 24 | Oil orange Z-7078 | lb | 1.06 | — |
| 72 | Oil scarlet BL | lb | 1.70 | — |
| 1073 | Oil violet ZIRS | lb | 6.81 | — |
| 1078 | Alizarin green, CG | lb | 2.53 | — |
| 1080 | Oil violet special Z | lb | 6.81 | — |
| | Oil black ZBC | lb | 4.46 | — |
| | Oil black ZBD | lb | 3.03 | — |
| | Oil black ZBH | lb | 4.61 | — |
| | Oil black ZMM | lb | 6.53 | — |
| | Oil blue ZN | lb | 8.03 | — |
| | Oil blue ZV | lb | 4.95 | — |
| | Oil orange ZMG | lb | 1.23 | — |
| | Oil red N-1700 | lb | 1.76 | — |
| | Oil yellow ZG, conc | lb | 6.53 | — |

Dyes, coaltar, spirit soluble, 100 lb. dms., dlvd. No.

| | | | | |
|---|---|---|---|---|
| p-517 | Spirit yellow 2R, conc | lb | 4.63 | — |
| p-520 | Spirit orange ZR, conc | lb | 5.87 | — |
| | Spirit black RB | lb | 3.54 | — |
| | Spirit brown ZG | lb | 5.30 | — |
| | Spirit red R, conc | lb | 6.41 | — |

## E

| | | | | |
|---|---|---|---|---|
| | Echinacea root, bls | lb | 1.10 | — |
| | Egg albumin (see Albumin). | | | |
| | Egg yolk, dried, dom. bbls. | lb | 1.27 | 1.29 |
| | Tanners, bbls. | lb | .06 | .06½ |
| | Elm bark, grinding, bls | lb | .30 | .33 |
| | Powd., bbls., bxs. | lb | .42 | — |
| | Select, bundles | lb | .75 | — |
| | Emetine hydrochloride, USP, bots | oz. | 42.00 | 48.25 |
| | Endrin, tech., dms., 100-10,000 lbs. dlvd., 100% basis | lb | 3.45 | — |
| | Eosin red toner, bbls., works | lb | 1.85 | — |
| | Ephedrine, syn., USP, anhyd., bots., 100-oz. lots | oz. | .88 | 1.00 |
| | hydrous, bots., 100-oz. lots | oz. | .92 | — |
| | Ephedrine hydrochloride, NF, tins, 100-oz. lots | oz. | .63 | .73 |
| | Ephedrine sulfate, USP, cryst., tins, 100-oz. lots | oz. | .63 | .75 |
| | Powd., tins, 100-oz. lots | oz. | .62 | .72 |
| | Epichlorohydrin, dms., c.l., dlvd | lb. | .35½ | — |
| | dms., l.c.l., dlvd | lb. | .36½ | — |
| | tanks, dlvd | lb. | .33 | — |
| | 1-Epinephrine base, syn, USP bots., 100 gram lots | gram | .38 | — |
| | Epsom salt (see Magnesium sulfate) | | | |
| | Erigeron oil, cns. | lb. | 6.00 | 7.50 |
| | Ergot, NF, dms., tin-lined | lb. | 1.60 | — |
| | Eserine salicylate, bots | oz. | 72.50 | 84.00 |
| | Eserine sulfate, bots | oz. | 67.75 | — |
| | Ester gum, gum-rosin type, dms., c.l., dlvd., Ill. Md., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis N. C., Ohio, St. Louis, St. Paul, Va. W. Va. | lb. | .17 | — |
| | Ester gum, wood-rosin type, dms., c.l., same basis | lb. | .17 | — |
| | Ether (see specific product) | | | |
| | Ethyl acetate nat. ferment., 85-88%, dms., c.l., frt. alld | lb. | .15 | — |
| | dms., l.c.l., dlvd | lb. | .16 | — |
| | tanks, dlvd | lb. | .12½ | — |
| | 85-98%, dms., c.l., dlvd | lb. | .15¼ | — |
| | dms., l.c.l., dlvd | lb. | .16¼ | — |
| | tanks, dlvd | lb. | .12¾ | — |
| | 99%, dms., c.l., dlvd | lb. | .15½ | — |
| | dms., l.c.l., dlvd | lb. | .16½ | — |
| | tanks, dlvd | lb. | .13 | — |
| | syn., 85-88%, dms., c.l., dlvd | lb. | .15 | — |
| | dms., l.c.l., dlvd | lb. | .16 | — |
| | tanks, dlvd | lb. | .12½ | — |
| | 85-98%, dms., c.l., dlvd | lb. | .15¼ | — |
| | dms., l.c.l., dlvd | lb. | .16¼ | — |
| | tanks, dlvd | lb. | .12¾ | — |
| | 99%, dms., c.l., dlvd | lb. | .15½ | — |
| | dms., l.c.l., dlvd | lb. | .16½ | — |
| | tanks, dlvd | lb. | .13 | — |
| | Ethyl acetoacetate, dms., c.l., dlvd. | lb. | .88½ | — |
| | dms., l.c.l., dlvd | lb. | .89½ | — |
| | tanks, dlvd | lb. | .86 | — |
| | Ethyl acrylate, dms., c.l., t.l., dlvd. | lb. | .36 | — |
| | dms., l.t.l., dlvd | lb. | .37 | — |
| | tanks, dlvd | lb. | .34 | — |
| | Ethyl alcohol, 190 pf., USP, tax paid dms., c.l. dlvd. E of Rockies. | gal. | 1.20.38 | — |
| | dms., l.c.l., same basis | gal. | 1.20.43 | .20.69 |
| | tanks, same basis | gal. | 1.20.43 | — |
| | Ethyl alcohol, 190 pf., USP, tax-free, dms., c.l., dlvd. E. of Rockies. | gal. | .63 | — |
| | dms., l.c.l., same basis | gal. | .68 | .74 |
| | tanks, same basis | gal. | .47 | — |
| | Ethyl alcohol, absolute, 200 pf. tax paid, dms., dlvd. E of Rockies. | gal. | 1.21.70 | — |
| | dms., l.c.l., same basis | gal. | 1.21.75 | .21.81 |
| | tanks, same basis | gal. | 1.21.54 | — |
| | Ethyl alcohol, denatured (see Denatured alcohol, ethyl). | | | |
| | Ethyl aminobenzoate, USP (see Benzocaine) | | | |
| | Ethyl amyl ketone, dms., c.l., dlvd. | lb. | .20 | — |
| | dms., l.c.l., same basis | lb. | .21 | — |
| | tanks, same basis | lb. | .17½ | — |
| | Ethyl benzoate, bots | lb. | .90 | — |
| | Ethyl bromide, tech., 98%, dms., c.l., frt. alld. E | lb. | .43 | — |
| | dms., l.c.l., frt. alld. E | lb. | .45 | — |
| | tanks, frt. alld. E | lb. | .41 | — |
| | 2-Ethyl butyl alcohol, dms., c.l., dlvd. works | lb. | .30 | — |
| | dms., l.c.l., works | lb. | .30¾ | — |
| | tanks, works | lb. | .28 | — |
| | Ethyl butyl ketone, dms., c.l., t.l., works | lb. | .36 | — |
| | dms., l.c.l., l.t.l., works | lb. | .36¾ | — |
| | tanks, works | lb. | .34 | — |
| | Ethyl butyrate, works | lb. | .90 | 1.00 |
| | Ethyl carbamate (see Urethane) | | | |
| | Ethyl cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, frt. alld. E. | lb. | .73 | — |
| | bgs., smaller lots, frt. alld. E. | lb. | .75 | — |
| | Ethyl cellulose, vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, frt. alld. E. | lb. | .68 | — |
| | bgs., smaller lots, frt. alld. E. | lb. | .70 | — |
| | Ethyl chloride, tech., cyls., works. | lb. | .20 | .22 |
| | dms., works | lb. | .18 | .20 |
| | tanks, works | lb. | .10 | — |
| | Ethyl cinnamate, cns. | lb. | 3.35 | 3.50 |
| | Ethyl ethanolamines, mixed, dms., c.l. dlvd. E | lb. | .43½ | — |
| | dms., l.c.l. dlvd. E | lb. | .44½ | — |
| | tanks, dlvd. E | lb. | .41½ | — |
| | Ethyl ether, absolute, ACS, dms. | lb. | .27 | — |
| | Anesthesia, USP, dealers, 1-lb. cns | lb. | 1.01 | — |
| | ½-lb. cns. | lb. | 1.09 | — |
| | ¼-lb. cns. | lb. | 1.21 | — |
| | Ethyl ether, indust., dms., c.l., dlvd. | lb. | .13½ | — |
| | dms., l.c.l., dlvd. E. | lb. | .14½ | — |
| | tanks, dlvd. E. | lb. | .11 | — |
| | Ethyl gallate dms., 100 to 2,000-lb. lots | lb. | 3.90 | 4.40 |
| | 2-Ethyl hexoic acid, dms., c.l., t.l., dlvd. E | lb. | .37 | — |
| | dms., l.c.l., l.t.l., dlvd. E | lb. | .38 | — |
| | tanks, dlvd E | lb. | .34½ | — |
| | (2-Ethyl hexoic acid 1c. higher W. of Rockies.) | | | |
| | 2-Ethylhexyl acrylate, c.l. or t.l., straight or mixed, frt. alld. E. | lb. | .52½ | — |
| | 2-Ethylhexyl acrylate, dms., l.t.l., same basis | lb. | .53½ | — |
| | tanks, same basis | lb. | .50 | — |
| | Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash. | | | |
| | 2-Ethylhexyl alcohol, dms., l.c., dlvd. | lb. | .24¼ | — |
| | dms., l.c.l., dlvd | lb. | .25¼ | — |
| | tanks, dlvd | lb. | .21¾ | — |
| | Ethyl iodide, cbys., works | lb. | 3.30 | — |
| | Ethyl methacrylate, dms., c.l., frt. equald | lb. | .52 | — |
| | dms., l.t.l. frt. equald | lb. | .52½ | — |
| | tanks, frt. equald | lb. | .50 | — |
| | Ethyl morphine hydrochloride, USP, bots. | oz. | 11.85 | — |
| | Ethyl nitrite (see Nitrous ether). | | | |
| | Ethyl oenanthate, dms. | lb. | 1.20 | 1.30 |
| | Ethyl oxalate (see Diethyl oxalate). | | | |
| | Ethyl silicate, dist. (see Tetraethyl orthosilicate). | | | |
| | Ethyl silicate, 40% available $SiO_2$, dms., c.l., dlvd | lb. | .44½ | — |
| | dms., l.c.l., dlvd. | lb. | .45½ | — |
| | tanks, dlvd | lb. | .42 | — |
| | N-Ethyl-a-naphthylamine, dms., works. | lb. | 1.02 | — |
| | N-Ethyl-o-toluidide, bbls. | lb. | .28 | — |
| | Ethylamine (see Mono, Di- or Tri-). | | | |
| | N-Ethylaniline, dms., c.l., frt. alld. | lb. | .57 | — |
| | dms., l.c.l., frt. alld | lb. | .58 | — |
| | tanks, frt. alld. | lb. | .55 | — |
| | Ethylbenzene, 99%, dms., c.l. or t.l., frt. equald | lb. | .15 | — |
| | dms., l.c.l., same basis | lb. | .17 | — |
| | tanks, same basis | lb. | .12½ | — |
| | 2-Ethylbutyl alcohol, dms., c.l., works | lb. | .30 | — |
| | dms. l.c.l. works | lb. | .30¾ | — |
| | Ethylene, contract, ref'y gate | lb. | .0475 | .0529 |
| | Ethylene dibromide, dms., c.l., frt. equald | lb. | .30½ | — |
| | dms., l.c.l., frt. equald | lb. | .31½ | — |
| | tanks, frt. equald | lb. | .28½ | — |
| | Ethylene dichloride, dms., c.l., dlvd. | lb. | .11½ | — |
| | dms., l.c.l., same basis | lb. | .12½ | — |
| | tanks, same basis | lb. | .09 | — |
| | Ethylene dichloride prices W. of Rockies, 1c. per lb higher. | | | |
| | Ethylene glycol, indust., dms., c.l., dlvd. E | lb. | .16 | — |
| | dms., l.c.l., same basis | lb. | .17 | — |
| | tanks, same basis | lb. | .13½ | — |

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**3. More Income**—Family income after taxes is at an all-time high of $5300—is expected to pass $7000 by 1975.

**4. More Production**—U.S. production *doubles* every 20 years. We will require millions more people to make, sell and distribute our products.

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Ethylene glycol monobutyl ether, dms., c.l., dlvd. E lb. .22 - —
dms., l.c.l., dlvd E lb. .23 - —
tanks, dlvd E lb. .19½- —
Ethylene glycol monoethyl ether, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd. E. lb. .22 - —
tanks, dlvd E lb. .18½- —
Ethylene glycol monoethyl ether acetate dms. c.l. dlvd. E lb. .19½- —
dms., l.c.l., dlvd E lb. .20½- —
tanks, dlvd E lb. .17 - —
Ethylene glycol monomethyl ether, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd E lb. .22 - —
tanks, dlvd E lb. .18½- —
Ethylene glycol monomethyl ether acetate dms. c.l. dlvd. E lb. .29 - —
dms. l.c.l. dlvd E lb. .29¾- —
tanks, dlvd E lb. .27 - —
Ethylene glycol monostearate, triple pressed, dms lb. .33 - .35
Ethylene oxide dms c.l., dlvd E. lb. .21½- —
dms., l.c.l., dlvd E. lb. .24½- —
tanks dlvd E lb. .15½- —
Ethylene trichloride (see Trichloroethylene)
Ethylenediamine 88-88%, dms., c.l., dlvd E. 100% basis lb. .42 - —
dms l.c.l dlvd E 100% basis. lb. .43 - —
tanks, dlvd E. 100% basis lb. .40 - —
Ethylvanillin 100-lb fib dms. 500-lb lots and over lb. 6.75 - —
Eucalyptol, USP, cns., dms. lb. 1.10 - 1.40
Eucalyptus oil, NF, rectified, 70-75%, dms. lb. .63 - .80
NF, rectified, 80-85%, dms. lb. .70 - .95
Eugenol, USP, dms. lb. 2.00 - 2.20
Euphorbia herb bls lb. .15 - .17

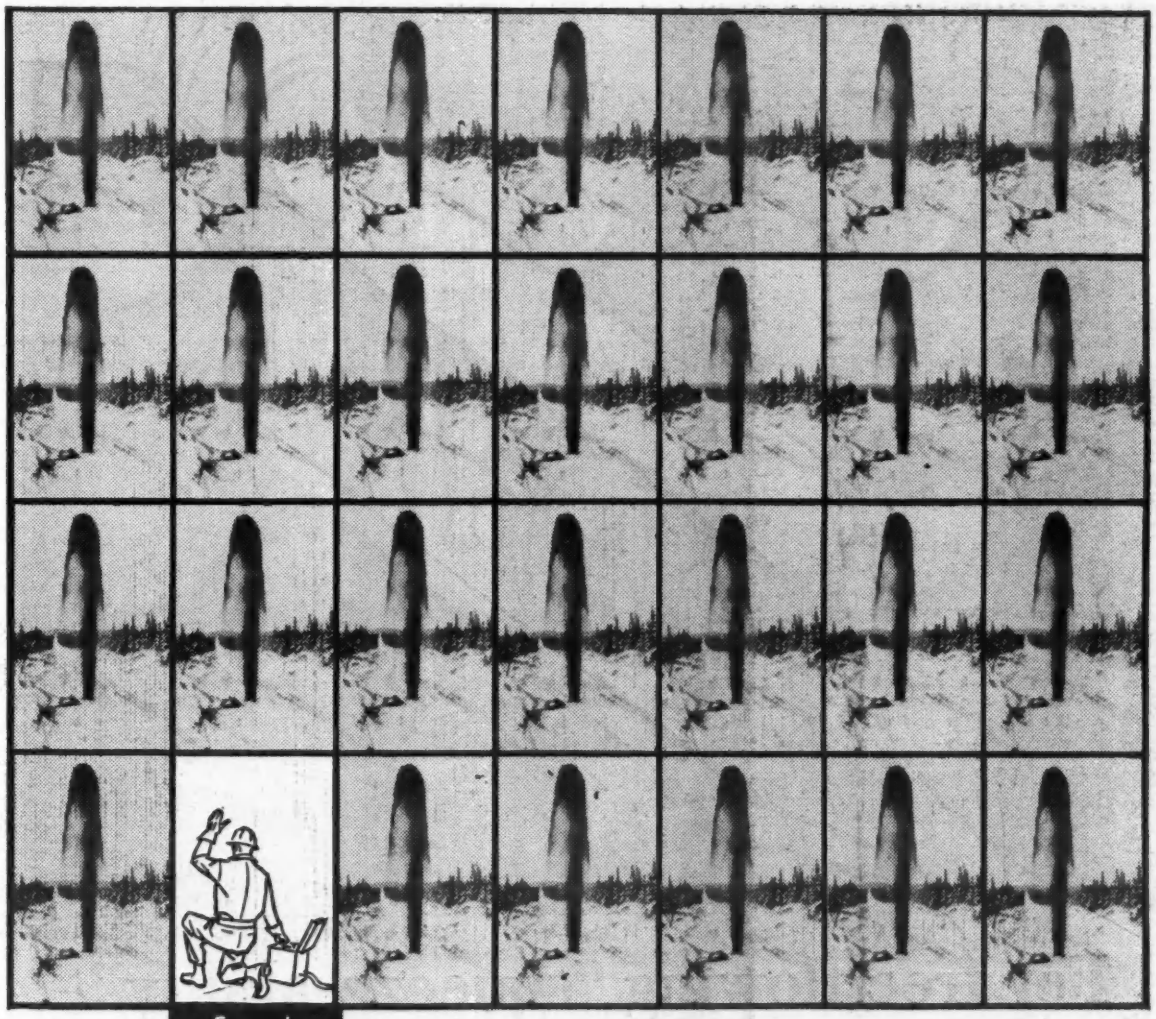
## F

F acid, crude, paste, bbls., works lb 2.10 - —
Feldspar, 140-200 mesh bulk, c.l., works ton.19.50 - —
Feldspar in bags $3 per ton higher
Fennel oil, sweet, USP cns. lb. 2.75 - 2.95
Fennel seed, Argentine, bgs. lb. .13½- —
French, light, bgs. lb. .20½- —
Indian, light, bgs. lb. .24¼- —
Rumanian, bgs. lb. .14 - —
Yugoslav, light, bgs. lb. .22 - —
Fenugreek seed, Moroccan, bgs. lb. .08 - —
Ferric acetate, liq. 26 bbls., c.l., works lb. .09 - —
bbls. l.c.l. works lb. .09¾- —
Soln., USP IX, chys lb. .16 - —
USP IX, dms lb. .17 - —
Ferric chloride anhyd., tech., dms., c.l. works 100 lbs. 7.50 - —
dms. l.c.l. works 100 lbs. 8.50 - —
Indust., cryst., bbls., c.l., works, 100 lbs. 5.25 - 6.75
bbls. l.c.l. works 100 lbs. 5.75 - 7.25
Ferric chloride, 42° Be. photo grade, chys., c.l., works 100 lbs. 7.25 - 8.25
sewage grade, tanks, frt. equald. 100% basis 100 lbs. 4.00 - —
USP, cryst. dms. works lb. .07½- .09
Ferric citrate, gran. dms lb. .86 - —
Ferric hypophosphite NF, dms lb. 3.45 - —
Ferric naphthenate, liq., 6% Fe, dms., frt. alld. lb. .28¼- —
Ferric oxalate, gran., dms lb. .89 - .91
Ferric oxides (see iron oxides)
Ferric phosphate, NF, soluble, gran. pearls, cs lb. .64 - .67
Ferric pyrophosphate NF VII, soluble, gran., pearls, dms. lb. .79 - —
Ferric resinate 6¾% Fe., dms., ton lots, frt, alld lb. .36½- —
Ferric stearate, dms. c.l., frt. alld. lb. .39 - —
dms. l.c.l. frt alld lb. .40 - .44
Ferric sulfate, partly hydrated, bgs., c.l. works ton.35.25 - —
bgs., l.c.l. works ton.36.25 - 42.25
bulk, c.l. works ton.33.25 - —
Ferric-ammonium citrate, brown, pearls, NF, gran., dms lb. .65 - .68
Green, pearls, USP XII, gran., dms lb. .66 - .69
Ferric-ammonium oxalate, fine gran., dms lb. .27½- .29½
Ferric-potassium oxalate, fine gran., dms lb. .32½- .34½
Ferric-sodium oxalate, fine gran- dms lb. .27½- .29½
Ferrous gluconate, USP, dms. lb. .96 - —
Ferrous sulfate, gran. bgs., c.l., works ton.34.50 - —
Ferrous sulfate, gran., bgs., l.c.l., dlvd. Metropolitan area, 100 lbs. 3.35 - 4.25
bbls. c.l., works ton.40.00 - —
bulk, c.l., works ton.27.00 - —
USP cryst. bbls. dms. lb .09½- .16
Fir balsam, Canada, bbls. gal.32.00 -35.00
Oregon, bbls. gal. 3.75 - 4.00
Fir oil, Canada, cns lb. 4.80 - —
Fish oil, refd., alkali, dms. lb. .1350- .1400
Kettle-bodied, dms lb. .1580- .1630
Light-pressed, dms lb. .1200- .1250
tanks lb. .1050- —
Fishliver oil, high potency, 100,000 A units per gram, dms. 1,000,000 units. .16 - —
200,000 A units per gram, dms., 1,000,000 units. .17½- —
500,000 A units per gram, dms., 1,000,000 units. .18 - —
Fishmeal, dom., menhaden, 60% protein grd., bgs., Chesapeake Bay area ton.133.00 - —
Fishscrap, dom., menhaden, dried, 50% protein, grd., bgs., Chesapeake Bay area ton.129.00 - —
Flaseed (see Psyllium seed).
Folic acid USP, bots, fib. dms., kilo-lots or more gram .70 - —
10% feed grade, fib. dms., 10 kilos or more kilo.62.00 - —
Formaldehyde, 37%, (inhibited, 7 to 8% methanol), USP, dms., c.l., dlvd. lb. .0645- —
tanks, dlvd. lb. .0380- —
Formaldehyde, 37%, (inhibited, 12 to 15% methanol), USP, dms., c.l., dlvd. lb. .0670- —
tanks, dlvd. lb. .0405- —
Methanol-free (uninhibited), tanks, dlvd. lb. .0350- —
Formic acid, 85%, chys., c.l., works, lb. .1570- —
chys., l.c.l., works lb. .1620- .1720
90%, chys., c.l., works lb. .1625- —
chys., l.c.l., works lb. .1675- .1775
Fringetree bark, bls. lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines, ton.19.00 - —
Calcined, bgs., c.l., same basis, ton.20.00 -21.75
Insecticide grade, dried, powd., bgs., c.l., Ga. or Fla. mines ton.17.50 - —
Fuller's earth, oil-bleaching grade, 100-mesh, bgs., c.l., same basis ton.16.30 -17.00
200-mesh, bgs., c.l., same basis, ton.17.50 -18.00
Spent, bgs., c.l. ship. point ton. 4.50 - 5.00
Fumaric acid, tech. bgs. dms., c.l., frt. alld. E. lb. .27¼- —
bgs., l.c.l., same basis lb. .28¼- —
Prices of fumaric acid 1½c. per lb higher west of Denver.
Furfural, dms. c.l. works lb. .13 - —
dms., l.c.l., works lb. .14 - —
tanks, dlvd. E. lb. .12 - —
tanks, dlvd. W. lb. .13 - —

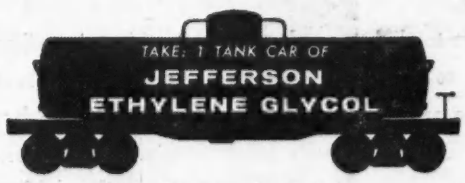
Furfuryl alcohol, cns., works lb. .39 - —
dms., c.l., Memphis, Tenn lb. .20 - —
dms., l.c.l., Memphis, Tenn lb. .21 - —
dms., c.l., Newark, N. J. lb. .21½- —
dms., l.c.l., Newark, N. J. lb. .22½- —
tanks, Memphis, Tenn. lb. .184 - —
Fusel oil, refd. dms., c.l., dlvd lb. .18 - —
dms., l.c.l., dlvd. lb. .19 - —
tanks, dlvd. lb. .15½- —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
Fustic extract, liq., No. 1, bbls., l.c.l., lb. .22½- —
No. 2, bbls., l.c.l. lb. .21½- —
No. 3, bbls., l.c.l. lb. .19 - —
Solid, No. 1, bxs., l.c.l. lb. .45 - —

## G

G salt, bbls., frt. alld., 100% basis lb. .73 - —
Gallic acid, NF VII, bbls., 1,000-lb. lots lb. 2.00 - —
bbls. smaller lots lb 2.02 - 2.22
Tech., bbls., 1,000-lb. lots lb. 1.78 - —
lb. 1.78 - —
bbls., smaller lots lb. 1.80 - 2.00
Gamma acid, dry grd., bbls., frt. alld lb 1.50 - —
Paste, bbls., frt. alld lb 1.45 - —
Gammapicoline (see g-picoline).
Garlic oil, dom., bots oz. 4.75 - 6.05
Imp., bots. oz. 4.10 - 4.50
Gaultheria oil (see Wintergreen oil).
Gelatin, edible, pure (pork skin), 75 AOAC test, bbls., c.l. lb. .55 - —
150 AOAC test, bbls., c.l. lb. .67 - —
200 AOAC test, bbls., c.l. lb. .74 - —
225 AOAC test, bbls., c.l. lb. .77 - —
275 AOAC test, bbls., c.l. lb. .84 - —
Gelsemium root, bls. lb. .26 - —
Gentian root, bls. lb. .23 - —
Grd., bbls., bxs. lb. .27 - —
Powd., bbls. bxs. lb .27 - —
Geraniol, extra, cns., dms. lb. 2.50 - 3.00
Standard, cns., dms lb. 2.00 - 3.40
Geranium oil, Algerian, cns. lb.14.50 -17.50
Bourbon, cns. lb.17.00 -20.75
Geranium oil, Turkish (see Palmarosa oil)
Geranyl acetate, cns lb. 2.20 - 2.70
Ginger oil, dist., bots lb.11.00 -17.00
Ginger oleoresin, NF from African root, bots lb. 5.00 - —
NF, from Jamaican root, bots. lb.14.00 - —
Ginger root, Sierra Leone, bls. lb. .15½- —
Cochin, bgs. lb. .14½- —
Jamaican, No. 3, bgs lb. .39 - —
Nigerian, split, bgs lb. .14 - —
Glauber's salt (see Sodium sulfate)
Gluconic acid, tech. 50%, dms., frt. alld lb. .18 - —
dms l.c.l. frt alld. lb 20½- —
tanks, frt. alld. lb. .13½- —
Glue, bone, extracted, dry bone, 86 jellygrams, bgs. c.l. dlvd. lb. .15 - —
131 jellygrams, bgs., c.l., same basis lb. .17 - —
164 jellygrams, bgs., c.l., same basis lb. .17½- —
191 jellygrams, bgs., c.l., same basis lb. .19 - —
222 jellygrams, bgs., c.l., same basis lb. .22 - —
Glue, bone, green, dry bone, 40 jellygrams, bgs., c.l., same basis lb. .16 - —
65 jellygrams, bgs., c.l., same basis lb. .16 - —
86 jellygrams, bgs., c.l., same basis lb. .16 - —
115 jellygrams, bgs., c.l., same basis lb. .16½- —
135 jellygrams, bgs., c.l., same basis lb. .17½- —
164 jellygrams, bgs., c.l., same basis lb. .18½- —
180 jellygrams, bgs., c.l., same basis lb. .19½- —
200 jellygrams, bgs., c.l., same basis lb. .20½- —
Bone glue, l.c.l., prices 1c higher
Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .16 - —
95-121 bgs., c.l., dlvd lb. .17 - —
122-149, bgs., c.l. dlvd lb 18½- —
150-177, bgs., c.l., dlvd lb. .21 - —
178-206, bgs., c.l., dlvd lb. 23½- —
207-236, bgs., c.l., dlvd lb. 26 - —
237-266, bgs., c.l. dlvd lb. 28 - —
267-298, bgs., c.l., dlvd lb. 30 - —
299-330, bgs., c.l., dlvd lb 32 - —
331-362, bgs., c.l. dlvd lb. .34 - —
363-394, bgs., c.l., dlvd lb. .36 - —
395-427 bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .40 - —
461-494, bgs., c.l., dlvd lb. .42 - —
495-529, bgs., c.l., dlvd lb. .44 - —
Hide glue, l.c.l., prices 2c. higher.

Formula for making 1,000 tons of safer dynamite




*Mono-, Di-, Tri- and Tetraethylene Glycols are available in 4,000-, 6,000-, 8,000-, and 10,000-gallon tank cars, in tank trucks, and in 55-gallon resin-lined drums.*

...and use it in the nitrating mixture to get a plus factor of greatly reduced freezing point—along with *lower costs*. By preventing the possibility of freeze-thaw cycles, ethylene glycol eliminates a potential hazard in the handling of this sensitive explosive.

In a similar way, small quantities of Jefferson glycols keep the freezing point, plasticity, humidity and solubility characteristics of *hundreds* of products at optimum levels.

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Ethylene Oxide,
Glycols, Dichloride
Ethanolamines
Morpholine
Piperazine
Polyethylene Glycols
Nonyl Phenol
Surfonic®
Surface-Active Agents
Ethylene Carbonate and
Propylene Carbonate
Caustic Potash
Caustic Soda
Soda Ash
Sodium Bicarbonate

## l-Glutamic Acid—Hyoscyamine Sulfate

| | | | |
|---|---|---|---|
| l-Glutamic acid, 99½%, fib dms., 100-lb lots, frt alld | lb | 2.00 | — |
| fib dms. 25-lb lots, frt alld | lb | 2.05 | — |
| l-Glutamine, bots., 100 gm. lots | gram | .45 | — |
| Glycerine, dom., nat., crude, saponification, 88%, dlvd. E., tanks | lb | .1760 | — |
| Glycerine, nat., crude, soaplye, 80%, dlvd. E., tanks | lb | .16 | — |
| Imp., nat., crude, soaplye, 80%, c.i.f | lb | .16½ | — |
| Glycerine nat. refd. USP CP 99%, dms., c.l., dlvd | lb | .29⅜ | — |
| dms. l.c.l. dlvd | lb | .29⅞ | — |
| tanks, dlvd | lb | .27⅝ | — |
| USP, 96%, dms., c.l., dlvd | lb | .28½ | — |
| dms. l.c.l. dlvd | lb | .29 | — |
| tanks dlvd | lb | .26¾ | — |
| high gravity, dms., c.l., dlvd | lb | .29¼ | — |
| dms., l.c.l., dlvd | lb | .29¾ | — |
| tanks dlvd | lb | .27⅝ | — |
| Glycerine syn dms, c.l. dlvd | lb | .29½ | — |
| dms. l.c.l., dlvd | lb | .30 | — |
| tanks, dlvd | lb | .27¾ | — |
| Glycine (see Aminoacetic acid). | | | |
| Glycerol (see Glycerine) | | | |
| Glycolic acid (see Hydroxyacetic acid). | | | |
| Glyoxal, 30% dms, c.l. works | lb | .20¼ | — |
| dms., l.c.l., works | lb | .21¼ | — |
| tanks, works | lb | .18 | — |
| Golden seal root, NF, tested, bls | lb | 4.10 | — |
| Grapefruit oil, dms | lb | 2.10 | 2.75 |
| Graphite, amorph, powd, bgs., fib dms., ex whse | lb | .06 | .09½ |
| Graphite, amorph., cryst., 88-90%, powd., bgs., fib, dms., ex whse | lb | .19 | .21½ |
| 90-92%, powd., bgs., fib dms., ex whse | lb | .21 | .24½ |
| 95-97%, powd., bgs., fib, dms., ex whse | lb | .29 | .31½ |
| Flake, No. 1, 90-95%, bgs., fib, dms., ex whse | lb | .29 | .31 |
| Flake, No. 2, 90-95%, bgs., fib, dms, ex whse | lb | .29 | .31 |
| Grease, white, choice all hog, tanks, dlvd | lb | .08¾ | .08¾ |
| Yellow, tanks, dlvd | lb | .07½ | .07¾ |
| Grease oil, No 1, dms., c.l. | lb | .15¾ | — |
| dms., l.c.l. | lb | .16¾ | .18¾ |
| extra winter, strained dms, c.l. | lb | .18¼ | — |
| dms., l.c.l. | lb | .19¼ | .21½ |
| prime, burning, dms., c.l. | lb | .19¾ | — |
| dms., l.c.l | lb | .20¾ | .22¾ |

### Green Pigments

Green pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

| | | | |
|---|---|---|---|
| Grindelia robusta herb, bls | lb | .48 | — |
| Guaiacol, NF, cryst., dms., tins | lb | 2.10 | 2.15 |
| NF, liq., cbys., dms | lb | 2.30 | 2.40 |
| Guaiacol carbonate, NF VII, dms | lb | 2.40 | 2.45 |
| Guaiacwood oil, cns | lb | .85 | 1.50 |
| Guar gum, food grade, bgs., c.l. | lb | .38 | .44 |
| 5,000 lbs. or more | lb | .39 | .44 |
| Tech. grade, bgs | lb | .30 | .33 |

### Gums

Gum quotations, formerly grouped under one heading, are now listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

| | | | |
|---|---|---|---|
| Gypsum, plaster of Paris, 100-lb paper bgs., trucks, dlvd, New York | ton | 20.30 | — |
| Gypsum, terra alba, dom., 100-lb paper bgs., trucks, same basis | ton | 20.00 | — |
| 100-lb paper bgs, trucks, works, New York | ton | 17.00 | — |
| Imp., English, 100-lb. paper bgs., ex dock, New York | ton | 55.00 | — |
| 100-lb. paper bgs., ex whse | ton | 60.00 | 62.00 |

## H

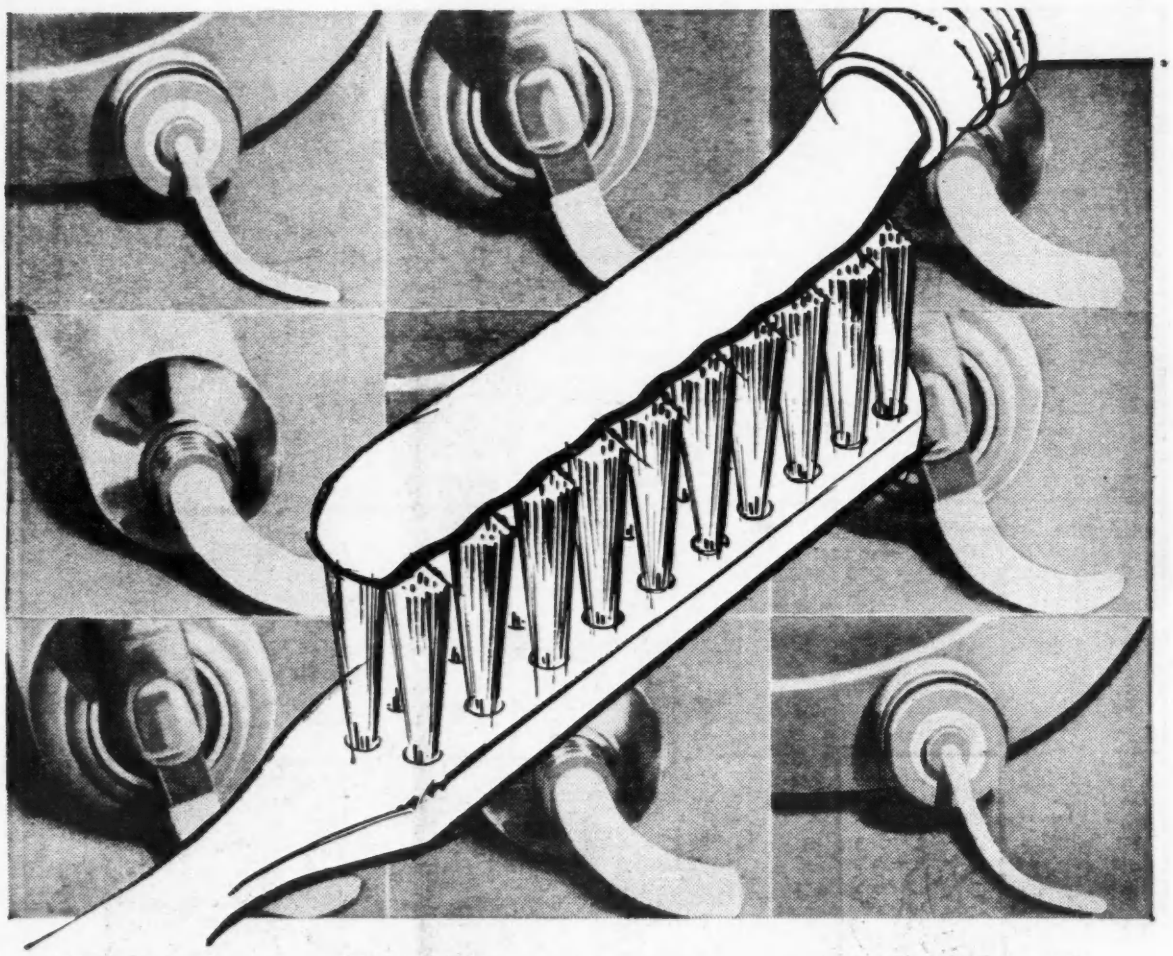
| | | | |
|---|---|---|---|
| H acid, dry, bbls., c.l., frt alld., 100% basis | lb | .90 | — |
| bbls., l.c.l., same basis | lb | .95 | — |
| Hansa yellow, 10 G, bbls., dlvd. E. of Rockies | lb | 2.45 | — |
| Hansa G yellow, pigment, bbls | lb | 2.30 | — |
| Hawthorn berries, bgs | lb | .21 | — |
| Heliotropin, 100-lb. lots, dms | lb | 2.50 | 3.00 |
| Hellebore root, dom., green, bls | lb | .70 | .75 |
| Helonias root, bls | lb | 1.75 | 2.00 |
| Hematine extract, cryst., No. 1, bbls., l.c.l | lb | .47 | — |
| No. 2, bbls., l.c.l | lb | .43 | — |
| No. 3, bbls., l.c.l | lb | .41 | — |
| No. 4, bbls., l.c.l | lb | .39 | — |
| No. 5, bbls., l.c.l | lb | .37 | — |
| Paste, No 1, bbls., l.c.l | lb | .20½ | — |
| Hemlock oil, cns | lb | 3.00 | 3.55 |
| Hen bane leaves, bls | lb | .35 | .40 |
| Heptachlor, dms., c.l., t.l., 100% basis, frt. alld | lb | .90 | — |
| Heptane, indust, tanks, Bayonne, N. J | gal | .20 | — |
| tanks, Baytown, Tex | gal | .16¼ | — |
| tanks, Borger, Tex | gal | .16¼ | — |
| Hesperidin, purif., 25-lb. lots, f.o.b., works | lb | 8.95 | — |
| Hesperidin methylchalcone, bots., 50-lb. lots, works | lb | 22.50 | — |
| bots., 5-lb tots, works | lb | 23.00 | — |
| bots., 1-lb tots, works | lb | 23.50 | — |
| Hexachlorophene, dms | lb | 1.94 | — |
| Hexalin (see Cyclohexanol) | | | |
| Hexamethylenetetramine, tech., bgs., 20,000-lb lots or more, Perth Amboy or New York | lb | .233 | — |
| bgs, 1,000-19,999-lb lots, same basis | lb | .243 | — |
| bgs., smaller lots, same basis | lb | .253 | — |
| fib. dms, 1,000-lb lots or more, same basis | lb | .250 | — |
| fib dms, smaller lots, same basis | lb | .253 | — |
| USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York and Philadelphia | lb | .42½ | — |
| bgs., smaller lots, same basis | lb | .43½ | .48¼ |
| Hexane, indust, tanks Bayonne, N. J | gal | .20 | — |
| tanks, Borger, Tex., dlvd | gal | .16 | — |
| 1-Hexanol dms, c.l. works | lb | .35 | — |
| dms., l.c.l. works | lb | .35¾ | — |
| tanks, works | lb | .33 | — |
| Hexyl cinnamic aldehyde, dms | lb | 4.00 | 7.50 |
| a-Hexyl methacrylate, dms., c.l., works | lb | .75½ | — |
| dms, l.c.l. works | lb | .76 | — |
| Hexyl salicylate, dms | lb | 1.75 | — |
| Hexylene glycol, dms., c.l., dlvd | lb | .17½ | — |
| dms., l.c.l., dlvd | lb | .18½ | — |
| tanks dlvd | lb | .15 | — |
| Hexylresorcinol, USP, dms., 25-lb. lots or more, dlvd | lb | 14.00 | — |
| dms, smaller lots dlvd | lb | 14.50 | — |
| Hematropine hydrobromide, USP bots | oz | 3.00 | — |
| Hematropine methylbromide, USP bots | oz | 3.90 | — |
| Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton | ton | 6.00 | — |
| Horehound herb, bls | lb | .16 | .19 |
| Hydrastis (see Goldenseal) | | | |
| Hydrazine hydrate 85% ret. dms., works | lb | 1.35 | 1.55 |
| 100%, ret. dms., works | lb | 1.60 | 1.90 |
| Hydriodic acid, 1.50 s.g., cbys | lb | 2.92 | — |
| 1.70 s.g. cbys | lb | 3.23 | — |
| Hydroabietyl alcohol tech., solid, zone 1 dms, c.l. dlvd | lb | .29¼ | — |
| dms., l.c.l., dlvd | lb | .29¾ | .30¼ |
| tanks dlvd | lb | .27¼ | — |

Zone 1 for hydroabietyl alcohol comprises all of continental US except Ariz. Calif. Colo., Idaho Mont., Nev. N M., Ore., Utah, Wash., Wyo. and the western part of Texas.

| | | | |
|---|---|---|---|
| Hydrobromic acid medicinal, 48%, cbys. dlvd E | lb | .37 | .43 |
| Hydrochloric acid, anhyd (see Hydrogen chloride) | | | |
| Hydrochloric acid 18° cbys., c.l., works 100 lbs | | 2.50 | — |
| cbys., l.c.l., dlvd Metropolitan area 100 lbs | | 2.90 | 3.05 |
| tanks, works, frt equald | ton | 28.00 | — |
| 20°, cbys., c.l., works 100 lbs | | 2.75 | — |
| cbys., l.c.l., dlvd Metropolitan area 100 lbs | | 3.15 | — |
| tanks, works, frt. equald | ton | 30.00 | — |
| 22°, cbys., c.l., works 100 lbs | | 3.25 | — |
| cbys., l.c.l., dlvd Metropolitan area 100 lbs | | 3.65 | — |
| tanks, works, frt. equald | ton | 35.00 | — |
| Hydrochloric acid, CP, USP consumers cbys, extra c.l works | lb | .15¾ | — |
| cbys., l.c.l., same basis | lb | .17¼ | .17¾ |
| 5-pint bots., extra cs., c.l., same basis | lb | .20¾ | — |
| 5-pint bots, extra cs., l.c.l., same basis | lb | .22¼ | .23¼ |
| Hydrocortisone acetate bulk bots., kilo lots or more | gram | 2.90 | — |
| Hydrocortisone alcohol bulk bots., kilo lots or more | gram | 2.90 | — |
| Hydrocyanic acid, cyls, c.l., dlvd | lb | .70 | — |
| cyls, l.c.l., same basis | lb | .75 | .90 |
| Hydrocyanic acid, dilute, NF, 2%, 5-lb bots | lb | .40 | — |
| Hydrofluoric acid, anhyd. (see Hydrogen fluoride) | | | |
| Hydrofluoric acid, aqueous, 70%, 55-gal. dms., c.l., t.l., dlvd. | 100 lbs | 19.23 | — |
| 55-gal. dms. l.c.l., t.l.l., dlvd. | 100 lbs | 20.73 | — |
| 20-gal. dms., c.l., t.l., dlvd. | 100 lbs | 21.00 | — |
| 20-gal. dms. l.c.l., t.l.l., dlvd. | 100 lbs | 22.50 | — |
| tanks, works, frt. equald. | 100 lbs | 15.50 | — |

Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico Oregon, Washington and Wyoming. In those states add $2.70 per cwt. for drum delivery.

| | | | |
|---|---|---|---|
| Hydrofluosilicic acid dms., works, 30% basis | lb | .06 | — |
| Hydrofuramide, dms, fib, ctns., works | lb | .30 | .40 |
| 50-lb cyls, l.c.l. works | lb | .55 | .60 |
| Hydrogen chloride, anhyd., 50-lb. cyls, l.c. works | lb | .45 | — |
| Hydrogen cyanide liq, 88% tanks, works | lb | .16 | — |
| Hydrogen fluoride, anhyd., cyls., dlvd. E | lb | .30½ | .32½ |
| cyls., dlvd. W | lb | .39 | — |
| tanks, works | lb | .21 | — |
| Hydrogen peroxide, USP bbls, dlvd. | lb | .03¾ | .09 |
| 35%, dms., c.l., dlvd | lb | .202 | — |
| dms., l.c.l, dlvd | lb | .211 | — |
| tanks dlvd | lb | .1900 | — |
| Hydroquinone photo grade, dms | lb | 1.03 | 1.06 |
| Tech, dms, c.l., dlvd | lb | .82½ | — |
| dms, l.c.l, dlvd | lb | .84¼ | — |
| Hydroxyacetic acid, tech., 70%, dms, Philadelphia and Chicago | lb | .11 | — |
| tanks, Belle W Va | lb | .073 | — |
| Hydroxycitronellal, cns | lb | 4.80 | 5.30 |
| Hyoscine salts (see Scopolamine) | | | |
| Hyoscyamine hydrobromide, bots | oz | 6.00 | 7.00 |
| Hyoscyamine sulfate, bots | oz | 6.00 | 6.50 |

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Glycerine offers you more than an unique balance of properties. It is stable in price, dependable in supply, compatible with most ingredients favored for pharmaceuticals and toilet goods. Its usefulness continues to grow. We'd like to send you our 18-page booklet: "Glycerine Properties and Uses." Address your request to the Glycerine Producers' Association.

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SOLVENT POWER • VISCOSITY

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ADVANTAGES THAT COME WITH . . .

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ANTI-FREEZE • ALKYD BASE

GLYCERINE PRODUCERS' ASSOCIATION • 295 MADISON AVENUE, NEW YORK 17, N. Y.

| | | | |
|---|---|---|---|
| Hypernic extract cryst. No. 1, bbls., l.c.l. | lb. | .52 | — |
| Liq., No. 1, bbls., l.c.l. | lb. | .35 | — |
| No. 2, bbls. l.c.l. | lb. | .27 | — |
| Hypophosphorous acid, purif., 50%, cbys., ton lots, f.o.b. works | lb. | .83 | — |
| NF, 30%, cbys., all quantities, same basis | lb. | .75 | — |

## I

| | | | |
|---|---|---|---|
| Ichthammol, NF, dms., jars | lb. | .70 | .95 |
| Indigo (see Dyes, ecaltar, 1171 indigo, syn.). | | | |
| Indol, CP bots. | lb. | 16.00 | 18.25 |
| Inositol bots. dlvd | lb | 5.00 | — |
| dms. dlvd | lb | 4.50 | 4.75 |
| Insect flowers (see Pyrethrum). | | | |
| Iodine, crude, kgs. | lb. | .93 | — |
| Resub., USP, dms. | lb. | 2.00 | — |
| Iodochlorohydroxyquinolin USP dms | lb. | 3.60 | — |
| Iodoform NF dms. kgs | lb | 4.90 | 5.00 |
| a-Ionone, ens. | lb. | 4.15 | 4.70 |
| b-Ionone, ens. | lb. | 4.50 | 4.90 |
| Ipecac root, whole, bgs. | lb. | 9.00 | — |
| Powd., bbls., bxs. | lb. | 10.50 | — |
| Irish moss bleached prime, bls | lb | .28 | .34 |
| Iron blue, reg., bbls. c.l., dlvd E | lb. | .52 | — |
| bbls. l.c.l. ton lots, same basis | lb. | .53 | — |
| bbls. smaller lots, same basis. | lb. | .54 | — |
| Imp. British, bbls. c.l., same basis | lb. | .48 | — |
| bbls. l.c.l. ton lots, same basis. | lb. | .49 | — |
| bbls. smaller lots, same basis. | lb. | .50 | — |
| Iron blue, alkali-resisting, bbls. c.l., same basis | lb. | .57 | — |
| bbls. l.c.l. ton lots, same basis. | lb. | .58 | — |
| bbls., smaller lots, same basis. | lb. | .59 | — |
| Iron blue dlvd. prices 1c. higher for states:—Wash., Ore., Cal., N. M., Wyo. Utah Col. and Nev | Pacific Coast Ariz., Mon. | | |
| Iron compounds (see Ferric or Ferrous) | | | |
| Iron oxide, black, pure, bgs., c.l., works | lb. | .14¾ | — |
| bgs., l.c.l., works | lb. | .15 | — |
| Iron oxide, brown, pure, bgs., c.l., works | lb. | .14¼ | — |
| bgs., l.c.l., works | lb. | .14½ | — |
| Iron oxide, metallic brown, bgs., works | lb. | .05¼ | — |
| Iron oxide, Persian Gulf, red, bgs., c.l., works | lb. | .08¾ | — |
| Iron oxide red, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y | lb. | .14¼ | — |
| Iron oxide, red, nat., 75-85% ferric oxide, bgs., c.l., works | lb. | .06¼ | — |
| bgs., l.c.l., works | lb. | .06½ | — |
| Iron oxide, Spanish red, bbls., c.l., ex dock | lb. | .05¾ Nom. | |
| bbls., l.c.l., ex dock | lb. | .06 Nom. | |
| bbls., l.c.l., ex whse. New York. | lb. | .06½ Nom. | |
| Iron oxide, yellow, nat., French type, bgs., c.l., works | lb. | .06¼ | — |
| Peruvian type, bgs., l.c.l. | lb. | .023 | .024 |
| Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works | lb. | .12¼ | — |
| Other shades, same basis | lb. | .12 | — |
| Isoamyl alcohol, dms., c.l., works, frt. alld. E | lb. | .28 | — |
| dms., l.c.l., same basis | lb. | .29 | — |
| tanks, same basis | lb. | .25 | — |
| Isoborneol, ens | lb. | 1.60 | 1.80 |
| Isobornyl acetate, ens. | lb. | .51 | .56 |
| Isobornyl formate, dms | lb. | 1.20 | — |
| Isobornyl proprionate, dms. | lb. | 1.25 | 1.35 |
| Isobutyl acetate, perfume grade, ens | lb. | .75 | 1.00 |
| Solvent grade dms., c.l., dlvd. E. of Rockies | lb. | .15¼ | — |
| dms., l.c.l., same basis | lb. | .16¼ | — |
| tanks, same basis | lb. | .12¾ | — |
| Isobutyl alcohol, dms., c.l., dlvd. | lb. | .16 | — |
| dms., l.c.l., dlvd. | lb. | .17 | — |
| tanks, dlvd | lb. | .13½ | — |
| Isobutyraldehyde, CP, dms., c.l., dlvd | lb. | .27½ | — |
| dms. l.c.l. dlvd | lb. | .28½ | — |
| Isobutyraldehyde, tech., dms., c.l., dlvd | lb. | .21¼ | — |
| dms., l.c.l., dlvd. | lb. | .22½ | — |
| tanks, dlvd | lb. | .19½ | — |
| Isoeugenol, ens. | lb. | 3.55 | 3.75 |
| Isoniazid, powd., bulk, 25-kilo lots or more | kilo. | 23.00 | 25.50 |
| bulk, smaller lots | kilo. | 24.00 | 26.00 |
| Isonicotinic acid, 100-lb. fib. dms., works | lb. | 4.25 | — |
| Isonicotinic acid hydrazide (see Isoniazid) | | | |
| Iso-octyl alcohol, dms. c.l., dlvd. E. | lb. | .23½ | — |
| dms., l.c.l., dlvd E. | lb. | .24½ | — |
| tanks, dlvd E | lb. | .21 | — |
| Isopentane, coml. grade, tanks, f.o.b. Tex. refy | gal. | .15½ | — |
| Isopropanol (see Isopropyl alcohol). | | | |
| Isophorone, dms., c.l., works | lb. | .24½ | — |
| dms., l.c.l. works | lb. | .25¼ | — |
| tanks, works | lb. | .22½ | — |
| Isopropyl acetate, dms., c.l., dlvd. | lb. | .14 | — |
| dms., l.c.l., same basis | lb. | .15 | — |
| tanks, same basis | lb. | .11½ | — |
| Isopropyl alcohol, refd., 91%, dms., c.l., dlvd | gal. | .53 | — |
| dms., l.c.l., dlvd | gal. | .60 | — |
| tanks, dlvd | gal. | .37 | — |
| Refd., 95% c.l., dms., dlvd | gal. | .55 | — |
| dms., l.c.l., dlvd | gal. | .62 | — |
| tanks, dlvd | gal. | .39 | — |
| Refd., 99% dms., c.l., dlvd | gal. | .57 | — |
| dms., l.c.l., dlvd | gal. | .64 | — |
| tanks, dlvd | gal. | .41 | — |
| Isopropyl benzene (see Cumene) | | | |
| Isopropyl ether, dms., c.l., dlvd | lb. | .09½ | — |
| dms., l.c.l., dlvd. | lb. | .10½ | — |
| tanks, dlvd. | lb. | .07 | — |
| Isopropyl-N-(3-chlorophenyl) carbamate (CIPC) 70% in xylol, dms. c.l., t.l., works | lb. | .70 | — |
| dms. l.c.l. works | lb. | .714 | .814 |
| Isopropylamine (see Mono, Di, or Tri-) | | | |
| Isopropyl-N-phenyl carbamate, 450-lb fib dms., c.l., t.l., works | lb. | .75 | — |
| 450-lb fib dms. l.c.l. works | lb. | .80 | .90 |
| Isoquinoline dms. works | lb. | .65 | 1.25 |
| Itaconic acid purif. fib dms., c.l., works | lb. | .54 | — |
| fib. dms. l.c.l. works | lb. | .55 | — |
| Tech. fib dms., c.l. works | lb. | .44 | — |
| fib. dms. l.c.l. works | lb. | .45 | — |

## J

| | | | |
|---|---|---|---|
| J acid, paste, bbls., works, 100% basis | lb | 2.45 | — |
| Powd. bbls. same basis | lb | 2.50 | 2.85 |
| Jalap root NF bls | lb | .90 | Nom |
| powd. bbls. bxs | lb | 1.15 | Nom |
| Japan wax, cs. | lb. | .30 | .31 |
| Juniper berries, bgs. | lb | .15 | — |
| Juniper berry oil, bots. | lb. | 2.90 | 3.75 |
| Twice rectified bots | lb | 3.60 | 7.00 |
| Juniper tar NF dms | lb. | .42 | .60 |
| Juniper tar oil NF (see Juniper tar) | | | |
| Juniper wood oil, tech., ens. | lb. | .38 | .55 |

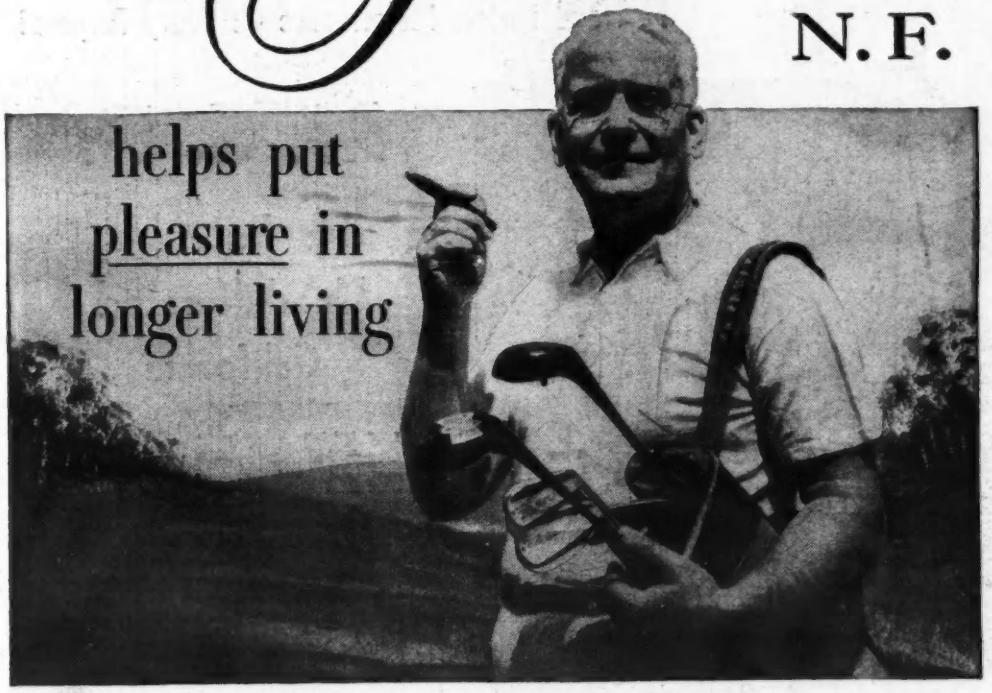
## K

| | | | |
|---|---|---|---|
| Kaolin (see also Clay, China). | | | |
| Kaolin, NF, powd., fib. dms | lb. | .10 | .12 |
| colloidal, 50-lb. bgs. | lb. | .15½ | .17½ |
| Karaya gum No. 1 NF powd. bbls. | lb. | .38 | .43 |
| No. 2, powd., bbls | lb. | .32 | .34 |
| No. 3, powd., bbls | lb. | .28 | .30 |
| Koch acid, bbls., frt. alld., 100% basis | lb. | 1.00 | — |
| Kola nuts, bgs. | lb. | .13 | — |

## L

| | | | |
|---|---|---|---|
| L acid, bbls., works | lb. | 1.25 | — |
| Lacquer diluent, petroleum, 150°-240° F b.r. tanks west coast, ex tax. Los Angeles | gal. | .174 | — |
| tanks, east coast N. J. N. Y. | gal. | .20 | — |
| Benzene type, tanks group 3 | gal. | .1550 | — |
| Toluene type tanks group 3 | gal. | .143¾ | — |
| Lactic acid, edible 50%, bbls., dms., c.l., frt. equald | lb. | .1789 | .2740 |
| bbls. dms. 20 or more, frt. equald | lb. | .1839 | .2790 |
| bbls. dms. 5 to 19 frt. qeuald. | lb. | .1889 | .2840 |
| bbls. dms. 1 to 4 frt. qeuald. | lb. | .1938 | .2890 |
| 80%, c.l., bbls., dms., frt. equald. | lb. | .3039 | .4625 |
| bbls., dms., 20 or more, frt. equald | lb. | .3089 | .4675 |
| bbls. dms. 5 to 19. frt. equald. | lb. | .3139 | .4725 |
| bbls., dms., 1 to 4. frt. equald. | lb. | .3189 | .4775 |
| Lactic acid, plastic grade 50%, c.l., bbls., works | lb. | .2740 | — |
| bbls., 20 or more, works | lb. | .2790 | — |
| bbls., 5 to 19, works | lb. | .2840 | — |
| bbls., 1 to 4, works | lb. | .2890 | — |
| 80%, bbls., c.l., works | lb. | .4625 | — |
| bbls., 20 or more, works | lb. | .4675 | — |
| bbls., 5 to 19, works | lb. | .4725 | — |
| bbls., 1 to 4, works | lb. | .4775 | — |
| Lactic acid tech. 22% bbls., c.l., works | 100 lbs. | 6.80 | — |
| bbls., l.c.l. works | 100 lbs. | 7.20 | — |
| 44%, bbls., c.l., works | 100 lbs. | 11.45 | 12.70 |
| bbls., l.c.l., works | 100 lbs. | 11.85 | 13.10 |
| USP, 85%, cbys | lb. | .85 | — |
| Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald | lb. | .14 | — |
| bgs. 6,000-lb lots frt equald. | lb. | .14½ | — |
| bgs., 2,000-lb. lots frt equald. | lb. | .14¾ | — |
| bgs., 200-lb lots frt equald | lb. | .15¼ | — |
| Edible lactose in fib dms. ½c higher. | | | |
| Lactose, ferment. grade, bgs., c.l., works | lb. | .08½ | — |
| USP, fib. dms. 30,000-lb lots, frt. equald | lb. | .21½ | — |
| fib. dms., 2,000-lb. lots, frt. equald | lb. | .22¼ | — |
| fib. dms., 200-1,800-lb. lots, frt. equald | lb. | .22¾ | — |
| USP lactose in bgs., ½c. to 1c. lower. | | | |
| Lactose, USP, spray dried, bgs., t.l., frt. equald | lb. | .18¼ | — |
| bgs., l.t.l., frt. equald | lb. | .19 | .19¾ |
| Lady's slipper root, bls | lb. | 4.50 | Nom. |
| Lake C red toner, alizarine, bbls., works | lb. | 1.25 | — |
| Lamp black, bgs. c.l. works | lb | .16 | .45 |
| Lanolin, cosmetic, dms. works | lb. | .27 | .29 |
| USP, anhyd., dms., works | lb. | .24 | .28 |
| hydrous, dms. works | lb | .23 | .25 |
| Lard, cash, dms. | lb. | .1265 | — |
| Lard oil (see Grease oil). | | | |
| Larkspur seed bgs. | lb | .33 | — |
| Laurel leaf oil dms. cns | lb | 9.75 | 12.50 |
| Laurent's acid bbls | lb | .60 | — |
| Lauric acid, 90% dms. | lb. | .30 | .32½ |
| tanks | lb. | .27½ | — |
| Lauryl alcohol, bots | lb. | 2.00 | 2.50 |
| n-Lauryl methacrylate, dms., c.l., t.l. works | lb. | .65½ | — |
| dms., l.t.l. works | lb. | .66 | — |
| Lavandin oil, cns., dms. | lb. | 1.60 | 2.30 |
| Lavender flowers, medium, bls | lb | .75 | .80 |
| Ord., bls. | lb. | .35 | .40 |
| Select, bls. | lb. | 1.10 | — |
| Lavender flower oil, USP, French, 35-37% ester, cns | lb. | 3.50 | 5.00 |
| 38-42% ester, cns | lb. | 10.00 | 12.00 |
| Spike, Spanish, cns | lb. | 2.05 | — |
| Lead acetate, NF cryst., gran., powd | lb. | .34½ | — |
| White, cryst., bbls | lb. | .25½ | — |
| gran., bbls. | lb. | .26½ | — |
| powd. bbls. | lb. | .26½ | — |
| Lead arsenate, acid powder, dealers, 3-lb. bgs. or larger, c.l., frt. alld. on 56 lbs. or more | lb. | .27½ | — |
| Lactic acid, plastic grade 50%, c.l., bbls., works | lb. | .2740 | — |
| bbls., 20 or more, works | lb. | .2790 | — |
| bbls., 5 to 19, works | lb. | .2840 | — |
| bbls., 1 to 4, works | lb. | .2890 | — |
| 80%, bbls., c.l., works | lb. | .4625 | — |
| bbls., 20 or more, works | lb. | .4675 | — |
| bbls., 5 to 19, works | lb. | .4725 | — |
| bbls., 1 to 4, works | lb. | .4775 | — |


ARGO® *Inositol* N.F.




SIGNIFICANT COMPONENT IN NEW GERIATRIC AND LIPOTROPIC FORMULATIONS

An important lipotropic agent, Inositol N.F. is helpful in regulating the metabolising of fat and cholesterol in the body. Far reaching studies of this natural-occurring Vitamin-B complex ingredient have revealed an important discovery – whether used alone or with certain vitamins, Inositol N.F. is synergistic with other lipotropic agents. Thus, it becomes a significant factor in many pharmaceutical preparations. It is also a constituent of an important class of phospholipids.

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*"Fine Chemicals from Corn"*

CORN PRODUCTS SALES COMPANY

17 BATTERY PLACE • NEW YORK 4, N.Y.

## Lead Arsenate—Magnesium Sulfate

| | | | |
|---|---|---|---|
| Lead arsenate, acid powder, dealers, 3-lb. bgs. or larger, l.c.l., frt. alld. | lb. | .28½- | — |
| 1-lb. bgs., c.l. | lb. | .41½- | — |
| 1-lb. bgs., l.c.l. | lb. | .42½- | — |
| Lead blue, basic sulfate, bbls., c.l., shipt. point frt. alld | lb. | .17¼- | — |
| bbls. l.c.l. same basis | lb. | .18½- | — |
| Lead carbonate (see Lead, white, basic cabonate) | | | |
| Lead chloride dms | lb. | .45 | — |
| Lead iodide NF V jars | lb | 3.82 | — |
| Lead linoleate fused 26% Pb. dms. | lb. | .38 | — |
| Lead metal prime, pigs, New York, | lb. | .11 | — |
| St. Louis | lb. | .1080- | — |
| Lead monosilicate bgs. c.l. works, frt. equald | lb. | .143 | — |
| bgs., l.c.l., same basis | lb. | .153 | — |
| Lead naphthenate liq. 16% Pb, dms., dlvd | lb. | .19½- | — |
| 24% Pb. dms., dlvd | lb. | .24¼- | — |
| Solid, 37% Pb, dms. dlvd | lb. | .31¾- | — |
| Lead nitrate bbls | lb. | .26¾- | — |
| Lead orthosilicate-gel, 50-60% PbO dms works | lb | .29¾- | .34¼ |
| Lead peroxide, tech. powd., bbls. | lb. | .45 | .50 |
| Lead phthalate dibasic dms. works. | lb. | .41 | — |
| Lead red, 95% $Pb_3O_4$ or less, bbls., c.l., works, frt. equald | lb. | .13¼- | — |
| bbls., l.c.l., same basis | lb. | .14¼- | — |
| 97% $Pb_3O_4$, bbls c.l. same basis. | lb. | .1345- | — |
| bbls., l.c.l., same basis | lb. | .1445- | — |
| Lead, red., $Pb_3O_4$, bbls., c.l., same basis | lb. | .1360- | — |
| bbls., l.c.l., same basis | lb. | .1460- | — |
| Lead resinate, precip., 23% Pb, dms., ton lots, dlvd | lb. | .40¼- | — |
| Lead salicylate, normal dms. works. | lb. | .48 | — |
| Lead silicate, (see Lead white basic silicate). | | | |
| Lead sulfate (see Lead, blue, basic sulfate). | | | |
| Lead tallate, liq., 16% Pb, dms | lb. | .13 | — |
| 24% Pb, dms | lb. | .18½- | — |
| Solid, 30% Pb dms. | lb. | .23¼- | — |
| Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld. | lb. | .16½- | — |
| bgs., l.c.l., same basis | lb. | .17½- | — |
| Lead, white, basic silicate, bgs., c.l., shipt. pt., frt. alld. | lb. | .15½- | — |
| bgs., l.c.l., same basis | lb. | .16½- | — |
| Lead white basic sulfate, bgs., c.l., shipt. pt., frt. alld. | lb. | .16¼- | — |
| bgs., l.c.l., same basis | lb. | .17¼- | — |
| Lecithin, edible, tech. bleached, non-ret. dms., c.l., works. | lb. | .14 | .18 |
| non-ret. dms. l.c.l., same basis | lb. | .15 | .16 |
| unbleached, non-ret. dms., c.l., same basis | lb. | .13 | .14 |
| non-ret. dms. l.c.l. same basis | lb. | .14 | .15 |
| Lemon bioflavonoid complex, 6b. dms., 25-lb. lots, works | lb | 9.00 | — |
| Lemon oil, terpeneless, bots. | lb. | 30.00 | -44.00 |
| USP, Calif., cns., dms. | lb. | 3.15 | 4.60 |
| Messina, cns. | lb. | 4.50 | 8.50 |
| Lemongrass oil, cns., dms. | lb. | 1.10 | 1.50 |
| dl-Leucine, dms., works | lb. | 12.25 | -15.00 |
| Licorice root, gran., bls. | lb. | .15 | .17 |
| Powd., bls. | lb. | .12 | .15 |
| Whole, bls. | lb. | .10 | .12 |
| Lignaloe wood oil, Mexican cns. | lb. | 3.25 | 5.50 |
| Lignosulfonate 70% tannin, bgs., c.l., works | lb. | .06½- | — |
| bgs., l.c.l., works | lb. | .06¾- | .07 |
| Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. | ton. | 14.25 | — |
| Chemical, hydrated, bgs., c.l., same basis | ton. | 17.25 | — |
| Chemical, spray, bgs., c.l., same basis | ton. | 18.25 | — |
| For New York delivery, add $6.29 freight charge. | | | |
| Lime oil, dist., Mexican, cns. | lb. | 6.50 | 6.60 |
| West Indian, cns | lb. | 6.25 | 6.75 |
| Expressed, West Indian, cns. | lb. | 8.50 | -13.70 |
| Terpeneless, dist. bots | lb. | 68.00 | — |
| expressed | lb. | 82.00 | -105.00 |
| Lime salts (see Calcium). | | | |
| Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite). | | | |
| Limestone grd., bgs., works | ton. | 3.50 | 4.00 |
| Linalool ex bois de rose oil, dms. | lb. | 4.35 | 4.65 |
| Ex linaloe wood oil, dms. | lb. | 4.20 | 4.65 |
| Syn., dms., works | lb. | 4.40 | — |
| Linalyl acetate, ex bois de rose, 90-92%, dms. | lb. | 4.70 | 5.35 |
| 96-98%, dms. | lb | 5.25 | 6.60 |
| Ex petitgrain, bots. | lb | 4.80 | 5.90 |
| Syn., dms., works | lb. | 4.40 | — |
| Lindane, 25% formulation, dealers, dms., frt. alld. | lb. | 1.65 | 1.82 |
| Lindane, 99%, tech. formulators, dms., frt. alld. | lb. | 2.65 | 3.25 |
| Linden flowers, with leaves, bls | lb. | .25 | — |
| Without leaves, bls. | lb. | .30 | — |
| Linseed meal, expeller, 32% bulk, Minneapolis, mills | ton. | 56.50 | — |
| Extracted, 34% bulk, same basis. | ton. | 55.00 | — |
| Linseed oil, raw, dms., c.l., New York | lb. | .1730- | — |
| dms., l.c.l., New York | lb. | .1830- | — |
| tanks, f.o.b. Minneapolis | lb. | .1370- | — |
| tanks, New York | lb. | .1520- | — |
| tankwagon, New York | lb. | .1560- | .1580 |
| Boiled linseed oil .006c per lb. higher | | | |
| Linseed oil acids, dist., dms. | lb. | .2030- | — |
| Water-white, dms. | lb. | .2330- | — |
| Linseed pitch dms | lb. | .06 | .06¼ |
| Litharge comi. powd., bbls. c.l., works, frt. equald. | lb. | .12¾- | — |
| bbls., l.c.l., same basis | lb. | .13¾- | — |
| Lithium benzoate dms | lb. | 1.65 | 1.67 |
| Lithium bromide, NF, gran., works, frt. equald | lb. | 2.60 | — |
| Lithium carbonate, NF dms., c.l., t.l., dlvd | lb. | 1.29½- | — |
| dms. ton lots to t.l. dlvd | lb. | 1.30 | 1.30½ |
| Tech., dms., c.l., t.l., frt. alld | lb. | .67 | — |
| dms., ton lots, same basis | lb. | .73 | — |
| dms., smaller lots, same basis. | lb. | .79 | — |
| Lithium chloride, CP, anhyd., dms., ton lots | lb. | 1.23½- | — |
| Lithium chloride, tech., anhyd., dms., c.l., t.l., dlvd. or works, frt. alld | lb. | .87 | — |
| dms., l.c.l., same basis | lb. | .88 | .92 |
| Lithium citrate, NF, dms., ton lots. | lb. | 1.50 | — |
| Lithium fluoride, dms., 20,000-lb. lots, dlvd | lb. | 2.15 | — |
| bbls., ton lots and more, dlvd. | lb. | 2.18½- | — |
| bbls., less ton lots, dlvd | lb. | 2.23½- | — |
| Lithium hydride, powd., dms., 500-lb. lots and more, works | lb. | 9.50 | — |
| Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld. | lb. | .55 | — |
| dms., l.c.l., frt. alld | lb. | .56 | — |
| Lithium manganite, dms., works | lb. | .95 | 1.03 |
| Lithium nitrate, tech., dms., 100-lb. lots | lb. | 1.15 | 1.25 |
| Lithium salicylate, dms. | lb. | 1.60 | 1.70 |
| Lithium silicate, dms., works | lb. | 1.10 | 1.20 |
| Lithium stearate dms. c.l., works, | lb. | .47½- | — |
| dms., ton lots, works | lb. | .48½- | — |
| dms., less-ton lots, works | lb. | .53½- | — |
| Lithium sulfate, dms. 100-lb. lots. | lb. | 1.15 | 1.23 |
| Lithium titanate, dms., works | lb. | 1.15 | 1.25 |
| Lithol red toner, barium, bbls., works | lb. | .98 | — |
| Lithol-rubine red toner, pure bbls., works | lb. | 1.50 | — |
| Resinated, bbls., works | lb. | 1.47 | — |
| Lithopone, ord. bgs. c.l., dlvd. E. | lb. | .03¾- | — |
| bgs., l.c.l., dlvd F | lb. | .00¼- | — |
| Titanated (high-strength), bgs., c.l., dlvd | lb. | .11 | — |
| bgs. l.c.l. dlvd | lb. | .12 | — |
| Lobelia herb, bls. | lb. | .50 | .65 |
| Lobeline sulfate, bots., works | oz. | 37.50 | -38.50 |
| Locust bean gum, powd., bgs. | lb. | .38 | .39 |
| Logwood extract, cryst., No 1, bbls., l.c.l | lb. | .41 | — |
| No. 2 bbls., l.c.l. | lb. | .39 | — |
| Liq. No. 1, bbls., l.c.l. | lb. | .20 | — |
| No. 2, bbls., l.c.l. | lb. | .19 | — |
| No. 3, bbls., l.c.l. | lb. | .18½- | — |
| Solid. No. 1, boxes, c.l. | lb. | .35 | — |
| Lycopodium cs. | lb. | 8.00 | — |
| dl-Lysine monohydrochloride, fib. dms | lb. | 12.00 | — |
| l-Lysine monohydrochloride, fib. dms., 25 lbs. or more | lb. | 8.00 | — |

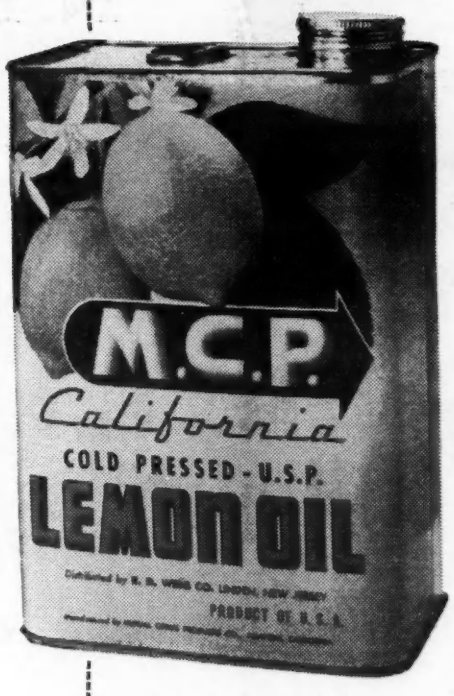
## M

| | | | |
|---|---|---|---|
| Mace, Siauw, bls. | lb. | 2.40 | — |
| Siauw, No. 2, whole, bls. | lb. | 2.10 | — |
| siftings, bls. | lb. | 2.00 | — |
| Mace oil, dist., cns., dms. | lb. | 13.50 | -15.75 |
| Magnesia calcined tech. bgs., ctns., frt. equald | lb. | .25¾ | .26¼ |
| Tech., syn., rubber grade, light, bgs., c.l. frt. equald | lb. | .29¾ | .30½ |
| rubber grade extra light, bgs., c.l. frt. equald | lb. | .29¾ | — |
| bgs., l.c.l., frt. equald. | lb. | .30½ | — |
| USP, light bgs | lb. | .36½ | .37¼ |
| heavy fib. dms. | lb. | .45 | .52 |
| Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt equald | ton. | 82.50 | — |
| Magnesite, chemical grade, dead-burnt, standard grain, bulk, c.l., Chawelah, Wash | ton. | 46.00 | — |
| Magnesium bromide cs. jars | lb. | .95 | 1.00 |
| Magnesium carbonate, tech., bgs., c.l., frt. equald | lb. | .10½- | — |
| bgs., t.l., frt. equald | lb. | .11 | — |
| bgs., l.c.l. frt. equald | lb. | .12½- | .13¼ |
| Magnesium carbonate, USP, bgs., c.l., frt. equald | lb. | .13 | — |
| bgs. t.l., frt. equald | lb. | .13½- | — |
| bgs., l.c.l. frt. equald | lb. | .14½- | .15¼ |
| Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points. | | | |
| Magnesium chloride, anhyd., 82% flake or pebble dms., c.l., works | lb. | .12¾- | — |
| dms., l.c.l., works | lb. | .14 | .15 |
| Magnesium chloride, hydrous, 99% flake, bgs., c.l., works. | ton. | 55.00 | — |
| bgs., l.c.l., works | ton. | 65.00 | -80.00 |
| Magnesium gluconate dms. | lb. | 1.42 | — |
| Magnesium hydroxide NF powd., dms., 500-lbs. or more, f.o.b., works | lb. | .24½- | .25½ |
| Magnesium lauryl sulfate, dms., c.l. frt. alld | lb. | .21 | — |
| dms., l.c.l., frt. alld | lb. | .22 | — |
| tanks, frt. alld | lb. | .20 | — |
| Magnesium metal, 99.8% ingots, 10,000-lb. lots or more, works | lb. | .36 | — |
| Pigs, 10,000-lb. lots or more, works | lb. | .35¼- | — |
| Sticks, cs. works, frt. alld. on carlots | lb. | .59 | — |
| Magnesium nitrate, cryst., dms., works | lb. | 29 | — |
| Magnesium oxide (see Magnesia, calcined). | | | |
| Magnesium peroxide, 15%, dms., works | lb. | 1.00 | 1.05 |
| Magnesium phosphate tribasic, NF, bbls | lb. | .75 | — |
| Magnesium silicate (see Talc) | | | |
| Magnesium silicofluoride, dms., works | lb. | .10½- | .12 |
| Magnesium sulfate tech. bgs., c.l., works 100 lbs. | | 2.15 | — |
| bgs. l.c.l. works 100 lbs. | | 2.90 | 3.15 |
| USP, cryst., bgs. c.l., works 100 lbs. | | 2.35 | — |
| bgs. l.c.l. 5,000 lbs., 1 withdrawal 100 lbs. | | 3.10 | — |
| bgs., smaller lots 100 lbs. | | 3.35 | — |


**ONE LABEL** — *First Grade Only*

**ONE PRICE** — *That Saves You Money*

. . . and Perfect Performance for *Every* Purpose!




**M. C. P.**

Pure
Unadulterated
California

**LEMON OIL**

**U.S.P.**

An *Exclusively First Grade Lemon Oil* . . . Cold Pressed in California . . . and *Packed by the Producer* to Assure Highest Quality

For nearly 30 years, Mutual Citrus Products Co. has been cold-pressing California lemon oil for distribution by others. Now, M.C.P. LEMON OIL is being *prepared and packed* under the M.C.P. label. There is only *one* label and *one* quality — *the highest* — for M.C.P. LEMON OIL. Yet, M.C.P. LEMON OIL costs you *less* . . . while providing a product that is unsurpassed for flavor, purity, and dependability . . . for *every* purpose.

Produced and Packed by

**MUTUAL CITRUS PRODUCTS COMPANY**

**Since 1928 Growers and Processors of Citrus Products**

*Distributed by*

**MUTUAL CITRUS PRODUCTS CO.**
**424 South Atchison Street, Anahiem, Calif.**

**R. D. WEBB & CO., INC.**
**137 Eoston Post Road, Cos Cob, Conn.**

| | | | |
|---|---|---|---|
| Magnesium trisilicate, USP fib, dms., 5,000-lb lots | lb. | .38 | - — |
| fib dms., 1,000-lb lots | lb. | .40 | - — |
| fib. dms., 100-lb lots | lb. | .45 | - — |
| Bulky and super grades of magnesium trisilicate, 7c. per lb. higher. | | | |
| Malachite green, straight, PTMA, bbls., works | lb. | 5.30 | - — |
| Malathion, dms., c.l., works | lb. | .89 | - — |
| dms., l.c.l., works | lb. | .92 | - 1.01 |
| Maleic acid, cryst., powd., dms | lb. | .37¼ | — |
| Maleic anhydride dms. c.l. dlvd. E of Rockies | lb. | .28¾ | - — |
| dms., l.c.l., dlvd. E of Rockies | lb. | .29¾ | - — |
| tanks, dlvd E. of Rockies | lb. | .27¾ | - — |
| Prices on maleic anhydride W of Rockies, 1½c per lb higher. | | | |
| Malic acid tech. dms | lb. | .50 | - — |
| Mandelic acid NF dms. 1,000-lb lots | lb. | 2.35 | - — |
| d.ms. smaller lots | lb | 2.40 | 2.50 |
| Mandrake root, bls | lb. | .55 | - — |
| Manganese acetate bbls., dlvd | lb. | .35 | - — |
| Manganese borate tech. fib dms. | lb. | .23½ | — |
| Manganese carbonate bbls. works. | lb. | .22 | - — |
| Manganese chloride, anhyd., dms., works | lb. | .25½ | — |
| Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net, works | ton. | 148.00 | - — |
| 40,000 to 99,999-lb lots, paper bgs., same basis | ton. | 144.50 | - — |
| 40,000 to 99,999-lb lots, dms., same basis | ton. | 152.50 | - — |
| Prices for manganese dioxide in 10,000 to 40,000-lb lots $3 per ton higher | | | |
| Manganous gluconate dms. | lb. | 1.84 | - — |
| Manganese hydrate bbls., dlvd | lb. | .36 | - — |
| Manganese hypophosphite, NF dms. | lb. | 3.52 | - — |
| Manganese linoleate liq., 4.35% Mn, dms | lb. | .35¾ | — |
| Solid, precip., 8.2% Mn, bbls | lb. | .41¼ | — |
| Manganese metal, electrolytic, dms., c.l. dlvd E | lb. | .34 | - — |
| dms. ton lots dlvd E | lb. | .36 | - — |
| dms. smaller lots dlvd. E | lb. | .38 | - — |
| Manganese naphthanate, liq., 6% Mn, dms. frt. alld | lb. | .29¾ | — |
| Manganese resinate, fused, 3½% Mn, dms | lb. | .25¼ | - — |
| Precip., 6½-7% Mn dms | lb. | .33 | - — |
| Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd. S. E | ton. | 97.50 | - — |
| bgs. l.c.l. dlvd S.E | ton. | 104.50 | - — |
| Manganese tallate 6% dms | lb. | .24 | - — |
| Mangrove bark, E. African, 38% tannin bgs. c.l. ex dock. | ton. | 64.00 | -65.00 |
| South American 30% tannin, bgs., c.l., ex dock | ton. | 47.00 | -50.00 |
| Manila copal gum, C, bgs | lb. | .34 | - .38 |
| DBB, bgs. | lb. | .24 | - .27 |
| DK, bgs. | lb. | No stocks. | |
| DK, dust, bgs | lb. | .14 | Nom. |
| MA, soft, bgs | lb. | .20 | - .24 |
| WS, bgs. | lb. | No stocks. | |
| Mannitol com'l. fib dms., ton lots, works | lb. | .60 | - — |
| fib dms. to ton lots, works | lb. | .62 | - — |
| fib dms., single dm., works | lb. | .65 | - — |
| Marine pitch, dms | lb. | .04¼ | - .03 |
| MBTS (see Mercaptobenzothiazyl disulfide) | | | |
| MBI (see 2-Merraptobenzothiazole). | | | |
| Melamine, bgs., c.l., works | lb. | .30 | - — |
| bgs., l.c.l., works | lb. | .31 | - — |
| Menadione USP bots | gram. | .044 | .05 |
| Menhaden oil crude tanks, works, Atl. & Gulf | lb. | .07¼ | — |
| Menthol, nat., USP, Brazilian, cs. | lb. | 5.50 | Nom. |
| Japanese, cs. | lb. | 7.00 | - 7.15 |
| Syn. USP racemic cns | lb | 4.50 | - — |
| ‡ Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld | lb. | .44 | - — |
| bgs., fib. dms. less ton lots, same basis | lb. | .46 | - — |
| Mercaptobenzothiazyl disulfide, bgs., fib dms., ton lots, works, frt. alld | lb. | .54 | - — |
| bgs. fib dms., less ton lots, same basis | lb. | .56 | - — |
| Mercuric chloride, NF, cryst., dms., 50-lb lots or more | lb. | 4.93 | - — |
| NF, gran. or powd., dms., 100-lb. lots or more | lb. | 4.78 | - — |
| Mercuric cyanide NF VIII, powd., fib dms | lb. | 6.84 | - — |
| Mercuric iodide red NF X fib. dms. | lb. | 7.72 | - — |
| Mercuric oxide red NF X, powd., 50-lb. lots or more | lb. | 5.97 | - — |
| Tech., 100-lb. lots or more, works, | lb. | 5.77 | - — |
| Mercuric oxide, yellow, NFX, fib. dms. | lb. | 6.14 | - — |
| tech., bbls., 1,000-lb. lots | lb. | 5.58 | - — |
| bbls., smaller lots | lb. | 5.60 | - — |
| Mercurous chloride (see Calomel). | | | |
| Mercurous iodide yellow, NF | lb. | 7.72 | - — |
| Mercury, ammoniated (see White precipitate, USP XV) | | | |
| Mercury metal, 76 lbs. per flask, net-flask | | 229.00 | -232.00 |
| Mesityl oxide, dms., c.l., dlvd | lb. | .15 | - — |
| dms., l.c.l., dlvd. | lb. | .16 | - — |
| tanks, dlvd. | lb. | .12½ | - — |
| Meta-aminophenol (see m-Aminophenol). | | | |
| Metachloroaniline (see m-Chloroaniline). | | | |
| Metanilic acid, dms., works | lb. | .57 | .73 |
| Metanitroparatoluidine (see m-Nitro-toluidine). | | | |
| Metanitroaniline (see m-Nitroaniline). | | | |
| Metaphenylenediamine (see m-Phenylenedtamine). | | | |
| Metatoluidine (see m-Toluidine). | | | |
| Metatolylenediamine (see 2,4-tolylenediamine). | | | |
| Methacrylic acid, glacial, 98%, dms., truckloads, works | lb. | .47 | - — |
| dms., smaller lots, works | lb. | .47½ | - .80 |
| tanks, works | lb. | .45 | - — |
| Methanol, nat., denaturing grade, tanks frt. alld | gal. | .85 | - — |
| Syn. zone 1, dms., c.l., or t.l. min., dlvd. | gal. | .47½ | - — |
| dms., l.c.l., dlvd. | gal. | .54½ | - — |
| tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area | gal. | .31 | - — |
| tankwagon, 4,000 gal., min., dlvd | gal. | .26 | - — |
| tankwagon, 4,000 gal. min., works | gal. | .25 | - — |
| Syn., zone 2, dms., c.l., or t.l., min. frt. alld. or dlvd. | gal. | .51½ | - — |
| dms. l.c.l. works | gal. | .58½ | - — |
| tankwagon 2,000-4,000-gal. lots, min., dlvd. Metropolitan areas | gal. | .35 | - — |
| tanks, 4,000 gal. min., dlvd. | gal. | .30 | - — |
| Syntnetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash. | | | |
| Methenamine (see Hexamethylenetetramine). | | | |
| Methionine, hydroxyanalogue, (calcium salt) dms., t.l., frt. allwd. | lb. | 2.05 | - — |
| dms. l.t.l., same basis | lb. | 2.30 | - — |
| dl-Methionine, fib. dms., frt. allo. 50-lb. or more | lb. | 3.50 | - — |
| Feed grade, 98%, fib dms., same basis | lb. | 2.45 | - — |
| Methoxychlor, 50% wettable powder, dealers, dms. cs frt alld | lb. | .61 | - .64 |
| Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 | lb. | .21½ | — |
| non-ret. dms., l.c.l., same basis. | lb. | .22 | - .22½ |
| Methyl abietate hydrogenated, non-ret. dms., c.l., dlvd. zone 1 | lb. | .23½ | — |
| non-ret. dms., l.c.l., same basis. | lb. | .24 | - .24½ |

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

| | | | |
|---|---|---|---|
| Methyl acetone, nat., dms., t.c.l., E of Miss. frt alld | gal. | 62½ | — |
| Syn., dms., c.l., frt. alld E | gal. | .66 | - — |
| dms. t.c.l. frt allo E | gal. | .72 | - — |
| tanks, frt. allo E. | gal. | .51 | - — |
| Synthetic methyl acetone E territory comprises all states East of and including Colo., Mont., N Mex and Wyo West territory is made up of all states west of those four. | | | |
| Methyl acrylate, dms., c.l., t.l., dlvd. | lb. | .39 | - — |
| dms., t.t.l., dlvd. | lb. | .40 | - — |
| tanks, dlvd. | lb. | .37 | - — |
| Methyl alcohol (see Methanol) | | | |
| Methyl amyl acetate, dms., c.l., dlvd E | lb. | .17 | - — |
| dms., t.c.l., dlvd E | lb. | .18 | - — |
| tanks, dlvd E | lb | 14½ | — |
| Methylamyl alcohol (see Methyl isobutyl carbinol). | | | |
| Methylamyl ketone, dms. works | lb | 1.05 | — |
| Methyl anthranilate, cns | lb. | 2.34 | - 2.65 |
| Methyl benzoate, cns. dms | lb. | .63 | - .75 |
| Methyl bromide, service organization prices 40 to 375-lb cyls., large lots frt. allo | lb. | .63 | - .65 |
| Methyl cellulose, special vis (1,500-4,000 cps.) 50-lb bgs. c.l., works | lb. | .82 | - — |
| 50-lb. bgs. 2,000-lb lots and more same basis to | | .89 | - — |
| 50-lb. bgs. smaller lots, frt. allo on 100 lbs | lb | 1.05 | - — |
| Methyl cellulose, standard vis (15-400 cps.). 50-lb. bgs., c.l., frt allo | lb | .69 | - — |
| 50-lb bgs. 2,000 lb lots and more same basis | lb. | .78 | - — |
| 50-lb bgs. smaller lots frt. allo. on 100-lbs | lb | .79 | .83 |
| Methyl chloride, indust. cyls. frt. equald | lb. | .22¼ | — |
| tanks, multi-unit same basis. | lb. | 16¼ | — |
| tanks, single unit same basis. | lb | .12¾ | — |
| Refrigerator mfrs., cyls., dlvd | lb. | .48¾ | - — |
| other consumers or service men, cyls. dlvd | lb | .87¾ | — |
| Methyl chloroform (see 1,1,1-Trichloroethane). | | | |
| Methyl cinnamate, cns | lb. | 1.55 | - 1.80 |
| Methyl ethyl ketone, dms., c.l., dlvd | lb. | .15 | - — |
| dms., t.c.l., dlvd | lb. | .16 | - — |
| tanks, dlvd | lb | 12½ | — |
| 2-Methyl-5-ethyl pyridine, dms., c.l., works | lb | 48 | - — |
| dms., t.c.l., works | lb. | .45¾ | - — |
| tanks, works | lb | .43 | - — |
| Methyl formate, refd., dms. | lb. | .33 | - .40 |
| Tech. non-ret dms. any quantity works | lb. | .10 | - — |
| a-D Methyl glucoside tech., 100-lb. multiwall paper bgs. c.l., works | lb. | .21 | - — |
| 100-lb. multiwall paper bgs., t.c.l., min 23,000 lbs. works | lb. | .21½ | - — |
| 100-lb multiwall paper bgs., t.t.l. works | lb | .23 | — |
| Methyl heptin carbonate, bots | lb. | 28.00 | -31.00 |
| Methyl p-hydroxybenzoate fib dms. | lb | 1.90 | 2.00 |
| Methyl ionone standard, cns. dms | lb. | 4.15 | - — |
| Methyl isobutyl carbinol, dms., c.l., dlvd | lb | .17 | - — |
| dms., t.c.l., dlvd | lb. | .18 | - — |
| tanks, dlvd | lb. | .14½ | - — |
| Methyl isobutyl ketone, dms., c.l., dlvd | lb. | .17 | - — |
| dms., t.c.l., dlvd | lb. | .18 | - — |
| tanks, dlvd | lb. | .14½ | - — |
| Methyl methacrylate, dms. c.l., t.l., frt equald with Belle, W Va | lb. | .31 | - — |
| dms., smaller lots, same basis | lb. | .31½ | - — |
| tanks, same basis | lb. | .29 | - — |
| Methyl naphthyl ketone, cryst., cns. | lb. | 3.00 | - 4.30 |
| Methyl parahydroxybenzoate (see Methyl p-Hydroxybenzoate) | | | |
| Methyl parathion, tech 80%, dms., c.l., frt. allo. E | lb. | 1.18 | - — |
| dms., t.c.l., frt. allo. E | lb. | 1.23 | - — |
| Methyl paratnion prices 2c. per lb. higher in West. | | | |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HOECHST
WAXES

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EMULSIFIER SYSTEM NOW MAKES POSSIBLE
a new type self-polishing
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- Milky-White in Appearance . . . Forms Glossy Film . . . Never Discolors Tiles.
- A NONIONIC SELF-LEVELING SYSTEM . . . Requires NO ALKALI SOLUBLE RESIN ADDITIVES.
- COMPATIBLE with Wide Range of Polymers.
- FREEZE-THAW STABLE to AT LEAST 5 CYCLES.
- Possible to Manufacture as a FLUID, STABLE, 40% SOLIDS Product. Yields EXCEPTIONAL FREIGHT SAVINGS when sold and shipped as a Dilutable, Concentrated DRY-BRIGHT FLOOR FINISH.
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Methyl roseaniline chloride, NF., 5-lb. fib. dms lb. 6.90 • —
Methyl salicylate, USP cns., 500-lb. lots lb. .62½- .87½
Methyl testosterone, USP. 100-gram bots. gram. No Prices.
Methyl violet toner, molybdated, PMA, bbls., dlvd. E. of Rockies. lb. 2.80 • —
Methyl violet toner, tungstated, PTMA, bbls., same basis lb. 4.35 • —
Methyl violet prices 1c. higher W. of Rockies.
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 • —
Methylene chloride, tech., straight or assorted, dms., c.l. or t.l. works lb. .14 • —
dms., l.c.l., l.t.l., works lb. .16¾- —
Methylene chloride, tech., straight or assorted, tanks, 4,000-gal. min., tank trucks, maximum load limit, works lb. .12½- —
tanktrucks, 1,000-gal. min., works lb. .13½- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb. .90 • —
Methylpentanediol (see Hexylene glycol).
Methylphenylpyrazolone (see 1-phenyl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04 • —
roofing, 20 to 80 mesh, works lb. .03 • —
Mica, wet-grd., biotite, bgs., c.l., works, frt. alld. E. lb. .06½- —
bgs., l.c.l., ex-whse. lb. .07¼- —
paint or lacq., bgs., c.l., 325 mesh, works, frt. alld. E. lb. .08¼- —
bgs., l.c.l., ex-whse. or freight alld. E. lb. .09 • —
Mica, wet-grd., rubber, bgs., c.l., works, frt. alld. E. lb. .08 • —
bgs., l.c.l., ex-whse. or frt. alld. E lb. .08¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .08¾- —
bgs., ex-whse. or frt. alld. E. lb. .09 • —
white, 5-10 microns, bgs., c.l., works, frt. alld. E lb. .08¼- —
l.c.l., ex-whse., or frt. alld. E. lb. .09 • —
Mica, wet-grd. W. of Miss. ½c. higher; W. of Rockies 1c. higher.
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 • .11
laminating grades, tankcars, works lb. .11 • .12
Mineral black, bgs., works lb. .0160- .0673
Mineral oil, white, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. refy. gal. .62 • —
non-ret. dms., l.c.l., same basis gal. .67 • —
tankcars, refy. gal. .46 • —
65-75 vis., non-ret. dms., c.l., same basis gal. .62 • —
tankcars, refy. gal. .46 • —
Mineral oil, white, tech., 80-90 vis., non-ret. dms., c.l., same basis gal. .63 • —
non-ret. dms., l.c.l., same basis gal. .68 • —
tankcars, refy. gal. .47 • —
135-138 vis., non-ret. dms., c.l., same basis gal. .69 • —
non-ret. dms., l.c.l., same basis gal. .74 • —
tankcars, refy. gal. .53 • —
145-155 vis., non-ret. dms., c.l., same basis gal. .75 • —
non-ret. dms., l.c.l., same basis gal. .80 • —
tankcars, refy. gal. .59 • —
USP, 180-190 vis., non-ret. dms., c.l., same basis gal. .77 • —
non-ret. dms., l.c.l., same basis gal. .82 • —
tankcars, refy. gal. .61 • —
200-210 vis., non-ret. dms., c.l., f.o.b. New York gal. .84 • —
non-ret. dms., l.c.l., same basis gal. .89 • —
tankcars, refy. gal. .63 • —
300-350 vis., non-ret. dms., c.l., f.o.b. New York gal. .84½- —
non-ret. dms., l.c.l., same basis gal. .89½- —
tankcars, refy. gal. .68½- —
Mineral orange, American, bbls., c.l., works lb. .1560- —
bbls., l.c.l., same basis lb. .1660- —
Mineral spirits, petroleum, odorless, tanks, refy., Watson, Calif. gal. .23 • —
tanks, Borger, Tex. gal. .25 • —
Houston, Tex. gal. .25 • —
Philadelphia gal. .32 • —
Newark gal. .29 • —
New York, dlvd. gal. .30½- —
Wood River, Ill. gal. .2725- —
tankwagon, New Jersey, dlvd. gal. .37½- —
tankwagon, New York, dlvd. gal. .38½- —
Mineral spirits, petroleum, regular, tanks, Calif., ex tax San Francisco gal. .169 • —
tanks, east coast, New Jersey New York gal. .18 • —
tanks, group 3 gal. .12875- —
tankwagon Boston gal. .20 • —
Buffalo gal. .20½- —
Chicago gal. .289 • —
Cleveland gal. .23½- —
Newark gal. .19 • —
New York gal. .19 • —
Philadelphia gal. .19½- —
Pittsburgh gal. .19 • —
Providence gal. .20½- —
Mirbane oil (see Nitrobenzene)
MNPT maroon toner, kgs., c.l., works lb. 6.30 • —
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .14 • .14¾
tanks, New York gal. .18 • —
Molybdated orange, bbls lb. 48 • —
Molybdenum metal, powd., 80 or 200 mesh, ctns., works kilo 7.84 • —
325 mesh, ctns., works kilo 9.13 • —
Molybdenum trioxide, pure, dms., works lb 1.15 • —
Tech., dms., works, basis Mo content lb 1.39 • —
Molybdic acid, 85% dms., works lb 1.20 • —
Monoallylamine, dms., c.l., dlvd lb. .985 • —
dms., l.c.l., dlvd lb. .995 • —
tanks, dlvd. lb. .96 • —
Monobutylamine, dms., c.l., dlvd. E. of Rockies lb. .57½- —
dms., l.c.l., same basis lb. .58½- —
tanks, same basis lb. .55 • —
Monochloracetic acid, purif. (see Chloroacetic acid, mono).
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10½- —
dms., l.c.l., same basis lb. .11½- —
tanks, same basis lb. .08¾- —
Monoethanolamine, dms., c.l., dlvd. E lb. .27½- —
dms., l.c.l., same basis lb. .28½- —
tanks, same basis lb. .25 • —
Monoethylaniline (see N-Ethylaniline).
Monoethylamine, 70% aqueous solution, dms., c.l., dlvd. E. 100% basis lb. .38½- —
dms., l.c.l., dlvd. E. 100% basis. lb. .40 • —
tanks, dlvd. E. 100% basis lb. .35 • —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropanolamine, dms., c.l., dlvd. E lb. .27½- —
dms., l.c.l., same basis lb. .28½- —
tanks, same basis lb. .25 • —
Monoisopropylamine, anhyd., dms., c.l., dlvd lb. .33½- —
dms., l.c.l., same basis lb. .34½- —
tanks, same basis lb. .31 • —
Monomethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .33 • .335
tanks, same basis lb. .29 • —
30-35% soln., dms., c.l., frt. equald, 100% basis lb. .39 • —
dms., l.c.l., frt. equald, 100% basis lb. .39½- —
tanks, frt. equald, 100% basis. lb. .29 • —
40% soln., dms., frt. equald., 100% basis lb. .36 • —
dms., l.c.l., frt. equald, 100% basis lb. .36½- —
tanks, frt. equald, 100% basis. lb. .29 • —
Monopentaerythritol, tech., bgs., c.l., dlvd. E lb. .29½- —
bgs., l.c.l., dlvd. E lb. .30½- —
Monopotassium glutamate, dms., 1,000-lb. lots, frt. alld lb 3.05 • —
dms., 100-lb lots, same basis lb 3.25 • —
Monosodium glutamate, dms., any quantity, dlvd lb. 1.07 • —
Monosodium phosphate, (see Sodium phosphate, monobasic).
Mono-tertiary-butylmetacresol (see 4-tert-Butyl-m-cresol).
Montan wax, dom., refd., bgs lb. .29 • .30
Imp., crude, Bohemian, bgs lb. .22 • .24
German, bgs. lb. .26 • .27
Morphine, cns oz. 12.40 -12.60
Morphine acetate, anhyd., cns oz 9.95 -10.00
Morphine hydrobromide, cns oz. 9.90 9.95
Morphine hydrochloride, NF, cns. oz. 9.90 9.95
Morphine sulfate, USP cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .55¼- —
dms., l.c.l., dlvd E. lb. .56¼- —
tanks, dlvd. E lb. .52¾- —
Muriatic acid (see Hydrochloric acid).
Musk, syn., ambrette, fib. dms., 100-lb. lots lb 4.45 • 5.15
cns., 25-lb. lots lb. 5.05 • 5.65
cns., 5-lb. lots lb 5.20 • 5.50
Ketone, fib. dms., 100-lb. lots lb 4.70 • 5.30
cns., 25-lb. lots lb 5.35 • —
cns., 5-lb. lots lb 5.45 • —
Xylol, fib. dms., 100-lb. lots lb. 1.40 • —
cns., 25-lb. lots lb. 1.45 • —
cns., 5-lb. lots lb. 1.50 • —
Mustard seed, Danish, yellow, bgs. lb. .10¾- —
Montana, yellow, bgs. lb. .10½- —
Montana, No. 1, Oriental, bgs. lb. .08½- —
Mustard oil, syn., bots lb. 1.60 1.85
Mustard seed oil, nat. dms. lb. .17½ Nom
Myristic acid, dms. lb. .23 • .25½
tanks lb. .22¾- —
Myrobalans, Bombay ton. 52.00 -53.00
J-1, genuine, bgs., ex dock ton. 59.00 -60.00
J-1, crushed, bgs., ex dock ton. 73.00 -74.00
Myrobalans, extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty lb. .10½- .10¾
Myrrh gum, ex. lb. .50 • .55

## N

Naphtha, high solvency (see Solvent naphtha, petroleum).
Naphtha, petroleum, cleaner's, 140°F, flash, tanks, east coast, New Jersey and New York gal. .18 • —
tanks, group 3 gal. .15 • .15½
tankwagon, Newark gal. .19 • —
New York gal. .19 • —
Philadelphia gal. .19½- —
Naphtha, VM&P, petroleum, 225°-300°F., b.r., tanks, west coast, Los Angeles gal. .174 • —
Portland, Ore. gal. .18 • —
San Francisco gal. .179 • —
Seattle, Wash. gal. .18 • —
east coast, New Jersey and New York gal. .19 • —
group 3 gal. .13875- —
Naphtha, VM&P, petroleum, tankwagon, Boston gal. .21½- —
Chicago gal. .209 • —
Cleveland gal. .24½- —
Newark gal. .20½- —
New York gal. .20½- —
Philadelphia gal. .21½- —
Pittsburgh gal. .20 • —

Armour's extra light red oil shows only 1.5R (max.) on a 1" Lovibond scale
The light initial color of Neo-Fat* 94-04 (L) stays light—withstands extreme heat during processing. Wouldn't it pay you to test it against any red oil you now use?
All the color scales can be compared quickly on Armour's Color Scale Converter. For example, 1.R on a 1" Lovibond is 6 Gardner, 1½ plus NPA, 1½ plus ASTM, and 3 FAC. Save time with one of these easy converters. We'll send you one along with a sample of Neo-Fat 94-04 (L). Without obligation, of course.
COLOR STANDARDS comparison chart
ARMOUR CHEMICAL DIVISION
ARMOUR CHEMICAL DIVISION
1355 West 31st Street • Chicago 9, Ill.
© Armour and Company

| | | | |
|---|---|---|---|
| Naphthalene, crude, dom., 74°, tanks, frt. equald | lb. | .06¼ | — |
| 78°, bgs., c.l., same basis | lb. | .07½ | .08 |
| bgs., l.c.l., same basis | lb. | .07¾ | .08¼ |
| tanks, same basis | lb. | .07 | — |
| Imp. 78° bgs., large lots | lb. | .035 | .05 |
| Naphthalene, refd., indust., chipped, crushed, bgs., frt. equald | lb. | .12½ | — |
| tanks, same basis | lb. | .11¾ | — |
| Refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis | lb. | .15½ | — |
| cs. 50 lbs., c.l., same basis | lb. | .15¾ | — |
| 1-lb. pkgs., c.l., same basis | lb. | .18½ | — |
| a-Naphthol bbls., frt. alld | lb. | 1.00 | — |
| b-Naphthol, tech., flake, bbls., c.l., works | lb. | .33 | — |
| bbls., l.c.l., works | lb. | .35 | — |
| Naphthol ITR red toner, bbls., works | lb. | 5.50 | — |
| 1-Naphthol-3,6-disulfonic 8-amino acid (see H acid) | | | |
| 1-Naphthol-4 sulfonic acid (see Nevile and Winther's acid) | | | |
| 1-Naphthol-5-sulfonic acid (see L acid). | | | |
| 1-Naphthol-5-sulfonic 8-amino acid (see S acid) | | | |
| 2-Naphthol-6,8-disulfonic acid (see Gamma acid). | | | |
| Naphthol sulfonic mixed acid (see Cleve's acid). | | | |
| a-Naphthylamine, bbls., frt alld | lb. | .50 | — |
| b-Naphthylamine, tech., flake, bbls., works | lb. | 1.60 | — |
| 1-Naphthylamine-5-sulfonic acid (see Laurent's acid). | | | |
| 2-Naphthylamine-4,8-disulfonic acid (see Cassella acid) | | | |
| 2-Naphthylamine-1-sulfonic acid (see Tobias acid) | | | |
| 2-Naphthylamine-6-sulfonic acid (see Broenner's acid) | | | |
| 2-Naphthylamine-7-sulfonic acid (see F acid). | | | |
| Naringin, fib dms. | lb. | 6.50 | — |
| Neatsfoot oil, 15° cold test, dms | lb. | .30 | .33 |
| 20° cold test, dms. | lb. | .29 | .32 |
| 30° cold test, dms | lb. | .28 | .31 |
| Neocinchophen, USP, dms., frt. adjusted | lb. | 7.00 | 8.00 |
| Neomycin sulfate, fib, dms., 1-kilo basis activity | gram. | .35 | — |
| fib dms. 100-999-gram lots, basis activity | gram. | .40 | — |
| Neroli oil, NF French, bots. | lb. | 350.00 | 375.00 |
| Tunisian, bots. | lb. | 400.00 | — |
| Nerolin, cns | lb. | 2.55 | 2.85 |
| Nevile and Winther's acid, dms., frt. alld | lb. | 1.30 | — |
| Niacinamide (see Nicotinamide). | | | |
| Nickel acetate, bbls., dlvd. | lb. | .73 | .80 |
| Nickel carbonate, bbls., dlvd. | lb. | .80¼ | .87½ |
| Nickel chloride, bbls., dlvd. | lb. | .40½ | .48½ |
| Nickel formate, bbls., ton lots, frt. alld | lb. | .72 | .73 |
| Nickel metal, electro cathodes, cs., works | lb. | .74 | — |
| Nickel nitrate, bbls., works | lb. | .32½ | .33½ |
| Nickel oxide, black, bbls. | lb. | .84 | — |
| Green, bbls | lb. | .85 | — |
| Nickel sulfate, bgs., c.l., dlvd. | lb. | .32½ | — |
| bgs., l.c.l., dlvd. | lb. | .33½ | .40½ |
| Nicotinamide, USP, dms., frt. adjusted | kilo. | 9.50 | 9.80 |
| Nicotinamide hydrochloride, dms., frt. adjusted | kilo. | 9.50 | 9.80 |
| Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld | lb. | 1.20 | — |
| 40%, manufacturers, 500-lb. dms., frt. alld | lb. | 1.05 | — |
| Nicotinic acid USP, dms., dlvd. | kilo. | 6.00 | 8.30 |
| Nicotinic amide, USP (see Nicotinamide). | | | |
| Niger seed, bgs. | lb. | .10¼ | — |
| Nikethamide, cbys. | lb. | 5.00 | — |
| Nitric acid, 36° Be., cbys., c.l., works, E | 100 lbs. | 5.75 | — |
| cbys., l.c.l., works, E | 100 lbs. | 6.05 | 6.85 |
| 38° Be., cbys., c.l., works, E. | 100 lbs. | 6.25 | — |
| cbys., l.c.l., works, E | 100 lbs. | 6.55 | 7.35 |
| 40° Be., cbys., c.l., works, E. | 100 lbs. | 6.75 | — |
| cbys., l.c.l., works, E | 100 lbs. | 7.05 | 7.85 |
| 42° Be., cbys., c.l., works, E. | 100 lbs. | 7.25 | — |
| cbys., l.c.l., works, E | 100 lbs. | 7.55 | 8.35 |
| Nitric acid, 58.5 to 68% $HNO_3$, tanks, works, 100% basis | 100 lbs. | 3.90 | — |
| 94½ to 95½% $HNO_3$, tanks, works, 100% basis | 100 lbs. | 4.90 | — |
| Nitric acid, CP, NF, consumer, cbys., extra, c.l., works | lb. | .18½ | — |
| carboys, extra, l.c.l., works, | lb. | .20 | — |
| 5-pt. bots, extra, cs., c.l., same basis | lb. | .22½ | — |
| 5-lb. bots., extra, cs., l.c.l., same basis | lb. | .24 | .25 |
| m-Nitroaniline, cryst., dms., frt. alld | lb. | 1.15 | — |
| Paste, dms., frt. alld., 100% basis, | lb. | 1.10 | — |
| o-Nitroaniline, flaked, dms., t.l., frt. alld | lb. | .49 | — |
| dms., l.t.l., frt. alld. | lb. | .51 | — |
| o-Nitroaniline orange toner, kegs, | lb. | 1.35 | — |
| p-Nitroaniline, dms., frt. alld. | lb. | .445 | — |
| Nitrobenzene, dbl dist., dms., c.l., frt. alld. | lb. | .13 | — |
| dms., l.c.l., frt. alld. | lb. | .14 | — |
| tanks, frt. alld. | lb. | .11 | — |
| p-Nitrobenzoic acid, dms., c.l., works. | lb. | .66 | — |
| dms., l.c.l., works | lb. | .67 | — |
| Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, seconds, bbls., c.l., works. | lb. | .38 | — |
| bbls., l.c.l., same basis | lb. | .39 | .41 |
| 18-20 cps. bbls. c.l. same basis. | lb. | .40 | — |
| bbls., l.c.l., same basis | lb. | .41 | .43 |
| Ester-soluble, 250-400, 600-1,000 seconds, bbls., l.c.l., same basis | lb. | .43 | .46 |
| Spirit-soluble, 30-35 cps., ¼, ½, seconds, bbls., c.l., same basis | lb. | .43 | — |
| bbls., l.c.l., same basis | lb. | .44 | .46 |
| Nitrocellulose, spirit-soluble, 5-6 cps., 40-60 seconds, bbls., c.l. same basis | lb. | .42 | — |
| bbls., l.c.l. same basis | lb. | .43 | .45 |
| Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable. | | | |
| o-Nitrochlorobenzene, dms., c.l., frt. alld | lb. | .15 | — |
| dms., l.c.l. same basis | lb. | .16 | — |
| tanks, same basis | lb. | .13 | — |
| p-Nitrochlorobenzene, dms. | lb. | .26 | .27 |
| Nitroethane, dms., c.l., dlvd. E | lb. | .24 | — |
| dms., l.c.l., dlvd. E | lb. | .24¼ | — |
| tanks, dlvd. E | lb. | .22½ | — |
| Nitroethane prices West of Rockies are 1c. higher. | | | |
| Nitrogen solutions, tanks, frt. equald | unit. | 1.28 | — |
| Nitrogenous process tankage, bulk, works | unit-ton. | 3.25 | 4.00 |
| Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works, | unit-ton. | 2.60 | .50 |
| Nitromethane, dms., c.l., dlvd. E | lb. | .24 | — |
| dms., l.c.l., dlvd. E | lb. | .24¼ | — |
| tanks, dlvd. E | lb. | .22½ | — |
| Nitromethane prices West of Rockies are 1c higher. | | | |
| a-Nitronaphthalene, bbls., frt. alld. | lb. | .31 | — |
| o-Nitrophenol, dms, works, frt. equald | lb. | .94 | — |
| p-Nitrophenol, dms., c.l., frt. alld. | lb. | .51 | — |
| dms., l.c.l., frt. alld. | lb. | .53 | — |
| 1-Nitropropane, dms., c.l., frt. alld, E. of Rockies | lb. | .22½ | — |
| dms., l.c.l., same basis | lb. | .23¼ | — |
| tanks, same basis | lb. | .21 | — |
| 2-Nitropropane, dms., c.l., frt. alld, E. of Rockies | lb. | .18½ | — |
| dms., l.c.l., same basis | lb. | .19½ | — |
| tanks, same basis | lb. | .16 | — |
| Nitropopane prices West of Rockies are 1c. per lb higher. | | | |
| o-Nitrotoluene, dms., c.l., frt. alld. | lb. | .13 | — |
| dms., l.c.l., frt. alld. | lb. | .14 | — |
| tanks, frt. alld. | lb. | .11 | — |
| p-Nitrotoluene, flake or solid, tech., l.c.l., dms., works | lb. | .30 | — |
| m-Nitro-p-toluidine, dms | lb. | 1.43 | — |
| Nonylphenol, dms., c.l., frt. alld. | lb. | .22 | — |
| dms., l.c.l., frt. alld. | lb. | .23 | — |
| tanks, frt. alld. | lb. | .19½ | — |
| Nonylphenol prices on shipments to Western States are 2c. higher. | | | |
| Nutgalls, Aleppo, bgs | lb. | .35 | .38 |
| Chinese, bgs | lb. | No prices. | |
| Nutmeg, East Indian, bgs. | lb. | 1.85 | — |
| West Indian, bgs. | lb. | 1.80 | — |
| Nutmeg oil, USP dist. East Indian, cns., dms. | lb. | 12.00 | 15.75 |
| West Indian, bgs. | lb. | 13.00 | 15.75 |
| Nux vomica, bls. | lb. | .12 | — |
| Powd., bbls., bxs. | lb. | .18 | — |

## O

| | | | |
|---|---|---|---|
| Ocher (see Iron oxide yellow, nat.). | | | |
| Ocotea cymbarum oil, dms. | lb. | .40 | .70 |
| Octane, indust., tanks, Bayonne, N.J. | gal. | .20 | — |
| Borger, Tex. | gal. | .15¾ | — |
| 1-Octanol, tech., wms., c.l., dlvd., Zone 1 | lb. | .37 | — |
| dms., l.c.l., dlvd. | lb. | .39 | — |
| tanks, dlvd. | lb. | .34½ | — |
| Octyl alcohol, perfumer's grade, bots. | lb. | 1.60 | 2.25 |
| Octyl alcohol, tech. (see 1-Octanol, tech). | | | |
| Octyl phenol, bgs., c.l., works | lb. | .24 | — |
| bgs., l.c.l., works | lb. | .24½ | — |
| tanks, works | lb. | .23 | — |
| Octyl phenol in dms., 1½c. higher. | | | |

### Oils

Oil quotations, formerly grouped under one heading, are now listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

| | | | |
|---|---|---|---|
| Oiticica oil, liq., dms | lb. | .18 | .18½ |
| tanks | lb. | .16½ | — |
| Oleic acid, dbl.-dist. (white), dms. | lb. | .17¾ | .20¼ |
| tanks | lb. | .15¼ | — |
| Single-dist., dms. | lb. | .16½ | .19 |
| tanks | lb. | .14 | — |
| Oleo oil, extra, dms. | lb. | .19 | .19½ |
| Oleostearine, dms. | lb. | .14½ | .14¾ |
| Oleum (see Sulfuric acid, fuming). | | | |
| Olibanum gum, siftings, cs. | lb. | .20 | Nom. |
| Tears, cs. | lb | .22 | .30 |
| Olibanum oil, bots. | lb | 5.50 | 7.65 |
| Extra fine, bots. | lb | 8.00 | 9.50 |
| Olive oil, edible, dms., spot duty paid | gal. | 2.40 | 2.50 |
| Olivine, crude, works | ton | 12.00 | — |
| 20 mesh, works | ton. | 15.00 | — |
| 100 mesh, works | ton. | 20.00 | — |
| Opium USP cns | oz. | 19.20 | 19.45 |
| gran., cns. | oz. | 21.65 | 21.90 |
| powd., cns | oz. | 21.65 | 21.90 |
| Orange oil, expressed, USP, Brazilian, cns. dms | lb | No stocks | |
| California, cns., dms | lb. | 3.00 | 3.35 |
| Florida, cns., dms | lb. | 1.75 | 2.30 |
| Messina, cns | lb | 3.85 | 3.85 |
| West Indian, cns., dms. | lb. | 2.50 | 3.75 |
| Sesquiterpeneless, bots | lb | 65.00 | 120.00 |
| Sweet, dist., cns., dms | lb. | 1.25 | — |
| Orange peel, bitter, Haitian, bls | lb | 14 | 16 |
| Sweet | lb. | .25 | .30 |

### Orange Pigments

Orange pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.


Only Exchange Brand Orange Oil goes so far!

Because it comes only from California oranges, richer in flavor strength, more intense in aromatic constituents. It is made and guaranteed by the Sunkist Growers, whose experience and skills in citrus-product manufacture are unmatched.

You insure your reputation on the flavor of your product. You safeguard it by using only Exchange Brand Orange Oil, U.S.P. You can depend on it to turn out a superior product—batch after batch, year after year.

Ask your distributor for Exchange Brand Orange Oil—in the sealed container. It adds so little to the cost of your finished goods that you cannot afford to pay less.

EXCHANGE BRAND
ORANGE OIL, U.S.P.
Exchange
CALIFORNIA COLD PRESSED

**Sunkist Growers** PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA
*Distributed in the U.S. and Canada by*

DODGE & OLCOTT, INC.
*180 Varick St., New York 14, N. Y.*

FRITZSCHE BROTHERS, INC.
*76 Ninth Ave., New York 11, N.Y.*

UNGERER & COMPANY, INC.
*161 Avenue of the Americas, New York 13, N. Y.*

*Inquiries from countries other than the U.S. and Canada should be directed to the Sunkist Growers, Products Department.*

Origanum oil, Spanish cns ..... lb 2.00 - —
Orris root, Florentine, bls ..... lb .55 - —
powd. bbls. bxs ..... lb .68 - —
Verona, bls ..... lb .35 - .40
powd., bbls., bxs ..... lb. .44 - —
Orthoanisidine (see o-Anisidine)
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde)
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid (see o-Chlorobenzoic acid)
Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline)
Orthochlorophenol (see o-Chlorophenol)
Orthocresol (see o-Cresol)
Orthocresotinic acid (see 2,3-Creosotic acid).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline)
Orthonitrochlorobenzene (see o-Nitrochlorobenzene)
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol)
Orthonitrophenol (see o-Nitrophenol)
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine)
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary amylphenol (see o-tert-Amylphenol)
Orthotolidine (see o-Tolidine base).
Orthotoluidine (see o-Toluidine)
Osage orange, cryst. No 1, bbls. l.c.l lb .40 - —
Extract, liq., No 1, bbls., l.c.l., lb .19 - —
Ouabain, USP, bots gram 3.00 4.00
Ouricury wax, crude, bgs ..... lb. .79 Nom.
Refd., pure, bgs ..... lb. .90 Nom.
Oxalic acid, bbls. c.l., works .. lb. .18½ —
bbls., 10,000-lb lots, works .. lb. .18¾ —
bbls., smaller lots, works lb. .19¾ —
p-Oxynaphthoic acid, fib dms., 250 lbs or more, frt alld lb 1.14 1.17
Oxyquinolin sulfate cns 100-lb lots, works lb 4.75 5.00
cns, smaller lots, works ..... lb 4.92 5.17

# P

Palm oil, clarif., dms ..... lb. .1440- .1540
tanks ..... lb. .1215- —
Palm oil acid, dist., dms. ..... lb .15¾- .19¼
tanks ..... lb 13¾ .14¼
Palmarosa oil, cns ..... lb. 4.25 6.00
Papain, purified ..... lb. 9.00 -12.00
Papaverine hydrochloride, nat. or syn., USP cns., 25-oz. to 100-oz. lots oz 5.00 —
cns., smaller lots oz 5.05 5.20
Papaverine sulfate, nat. or syn., USP, cns oz 7.10 7.35
Paprika, Bulgarian, bgs. ..... lb. .32 - —
Hungarian, bgs. ..... lb. .34 - —
Rumanian, bgs. ..... lb. .29 - —
Spanish, bgs ..... lb. .32 - .46
Yugoslavian, bgs. ..... lb. .34 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid)
Para-aminosalicylic acid (see p-Aminosalicylic acid)
Parachlorobenzoic acid (see p-Chlorobenzoic acid)
Paramethylphenylcinchonic acid (see Neocinchophen)
Paranitrobenzoic acid (see p-Nitrobenzoic acid)
Paratoluidinemetasulfonic acid (see p-Toluidine m-sulfonic acid)
Para-aminophenol (see p-Aminophenol)
Parachloro-orthonitroaniline (see 4-Chloro-2-nitroaniline)
Para-anisidin (see p-Ansidine).
Paraniline (see p-Chloraniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls. ..... lb. 1.21 - —
Chlorinated, kgs. ..... lb. 1.35 - —
Paraffin, crude, scale white, 123°-127°F ASTM, tanks, refy. lb. .0710- —
fully refd., 122°-124°F, ASTM, tanks, refy. lb. .0815- —
125°-127° F. ASTM, tanks, refy. lb. .0815- —
130°-132°F. ASTM, tanks, refy. lb. .0815- —
132°-134° F., ASTM, tanks, refy. lb. .0815- —
135°-137°F. ASTM, tanks, refy. lb .0815- —
AMP temperatures are an arbitrary 3°F higher than ASTM.
Paraffin oil, pale, 100-110 vis. at 100°F., tanks, east coast refy gal. .14 - —
Paraffin wax (see Paraffin)
Paraformaldehyde 91% flake, bgs., c.l., frt. alld. lb. .0955- —
bgs., l.c.l., frt. alld. ..... lb. .1155- .1255
91%, powd., bgs. c.l. ex whse lb. .167 —
bgs., l.c.l., ex whse ..... lb. .183 - —
USP X, fib dms., c.l., ..... lb. .19 - —
fib dms., 1,000-lb. lots ..... lb. .20 - —
fib dms., smaller lots lb. .21½- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd lb. .14 - —
55-gal dms., l.c.l., dlvd. lb. .15 - —
tanks, dlvd lb. .11¼- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene)
Paranitrotoluene (see p-Nitrotoluene).
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol)
Para-tertiary-amylphenol (see p-tert-Amylphenol)
Para-tertiary butylphenol (see p-tert-Butylphenol)
Parathion, ethyl, dms. c.l., frt. alld. lb. 1.38 - —
dms., l.c.l. frt alld. ..... lb. 1.41 - —
Parathion prices 2c. per lb. higher in West
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld. lb. .45 - —
Passion flower herb bls. ..... lb. No stocks.
Patchouli oil, dms. ..... lb. 5.00 - 5.75
Peach kernel oil USP (see Apricot kernel oil).
Peacock blue, fugitive, 100% color strength, 250-lb. bbls., dlvd. E. of Rockies lb. 1.00 - —
Peacock blue price 1c. higher W. of Rockies
Peanut meal, 45% old process, bgs., mills ton.64.00 -65.00
Peanut oil, crude, tanks, f.o.b. mills. lb. .17½- —
Refd., dms. ..... lb. .22¾- .23
tanks ..... lb. .20¾- —
Pectin, dom., NF, citrus, powd., bbls. lb 2.05 2.06
Dom., tech powd., 150 jelly grade. lb. 1.28 - —
Imp., Danish, ex whse lb 1.28 —
Penicillin potassium, cryst., bulk, 1,000,000 units. .0675- .0705
Penicillin procaine, bulk 1,000,000 units. .0675 .0705
Penicillin, sodium, bulk 1,000,000 units. .0775- .0800
Pennyroyal oil, USP, imported, cns. lb. 2.30 - 3.10
Pentachlorophenol, bgs. c.l., t.l., works, frt equald lb. .22 —
bgs., l.c.l. same basis lb 23½- .30
Pentachlorophenol in dms 1c higher
Pentaerythritol, tech., bgs. c.l., dlvd lb. .29½- —
bgs., l.c.l., dlvd. ..... lb. .30½- —
Pentaerythritol, di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, indust., tanks f.ex refy. gal. .14 - —
Pentobarbital, dms., 100 lbs or more lb. 6.00 - —
Pepper, Malabar black, spot, bgs. lb. .25¾- —
Lampong, black, bgs. ..... lb. .25½- —
Sarawak black, bgs ..... lb. .25½- —
Red, Gondar, spot, bgs ..... lb. .26 - —
Funtuas, bgs. ..... lb. .30 - —
Japanese, hontaka, bgs ..... lb. .27 - —
Santaka, bgs. ..... lb. .23¼- —
Sudanese, bgs. ..... lb. .33 - —
Zanzibar, bgs. ..... lb. .45 - —
White, Muntok, bgs. ..... lb. .38¾- —
Peppermint leaves, dom., USP, bls., dms lb. 70 - .75
imp USP bls lb .85 —
Peppermint oil, nat., dms ..... lb. 3.60 - 5.10
Redist., USP, dms ..... lb. 4.60 - 5.60
Perchlorethylene dms. c.l., or t.l., dlvd lb. .13½- —
dms., l.c.l. dlvd ..... lb. .15¼- —
tanks, dlvd lb. .12¼- —
tanktruck 1,000 gal. min. dlvd. lb. .12¾- —
Peri acid dry bbls. frt alld lb 1.35 - —
Paste bbls frt alld ..... lb 1.30 - —
Peru balsam, dms. ..... lb. 1.30 - 1.95
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil South American, cns., dms lb. 2.35 - 2.95
Petrolatum, cream dms., c.l., refy. lb. .07¾- —
dms., l.c.l., dlvd ..... lb. .10⅛- —
tanks, refy lb. .05½- —
Extra amber dms, c.l., refy lb. .06¾- —
dms., l.c.l., dlvd ..... lb. .09⅛- —
tanks, refy ..... lb. .04½- —
Lily white, dms., c.l., refy ..... lb. .08½- —
dms, l.c.l., dlvd ..... lb. .10½- —
tanks, refy lb. .05½- —
USP, snow white, dms., c.l., refy. lb. .08¾- —
dms., l.c.l. dlvd ..... lb. .11 - —
tanks, refy lb. .06¾- —
soft yellow, dms., c.l., refy lb. .06¾- —
dms., l.c.l., dlvd ..... lb. .09½- —
tanks, refy lb. .04½- —
Petroleum pitch (see Asphalt, petroleum).

### Petroleum Products

Petroleum product quotations, formerly grouped under one heading, are now listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, nonret dms, c.l. works lb. .16½- .18¾
non-ret. dms., l.c.l., works lb. .17½- .19
tanks, works ..... lb. .14½- .17
Petroleum sulfonate, oil soluble, 50-55% sulfonic content, nonret. dms. c.l., works lb. .16 - —
non-ret. dms., l.c.l., works lb. .17 - —
tanks, works ..... lb. .13 - —
o-Phenetidine, dms. c.l. frt. alld. E lb. .91 - —
dms., l.c.l., same basis lb. .93 - —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.05 - —
dms., same basis ..... lb. 1.08 - —
Phenobarbitol, USP, dms., 100-lb. lots lb 3.25 - —
Phenobarbital-Sodium (See sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%), nonret dms., frt. alld. E of Rockies lb. .18 - —
non-ret. dms. l.c.l. same basis, lb. .19 - —
tanks, same basis lb. .16 - —
82-84% (cresol 16-18%), nonret. dms., c.l., same basis lb. .17½- —
non-ret. dms., l.c.l. same basis, lb. .18½- —
tanks same basis lb. .15½- —
39°C. or above, tar distilled nonret. dms., c.l., same basis lb. .19½- —
non-ret. dms., l.c.l., same basis, lb. .20½- —
tanks same basis lb. .17½- —
Phenol, USP, syn., dms., c.l., t.l., frt. alld. lb. .20½- —
dms., same basis ..... lb. .21¼- —
tanks, same basis ..... lb. .18¼- —
Phenolphthalein, USP or yellow, fib, dms., 2,000-lb. lots lb. 1.30 - 1.32
fib. dms. smaller lots lb. 1.32 - 1.37
Phenothiazine drencn fib dms., t.l., dlvd lb. .44 - —
fib. dms, l.t.l., same basis lb. .47 - —
NF, fib. dms., t.l., same basis lb. .43 - —
fib. dms, l.t.l., same basis lb- .46 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Phenyl salicylate (see Salol)
Phenylacetaldehyde, soln., 50%, bots lb 2.95 - —
100%, bots ..... lb 4.00 - 4.65
Phenylacetic acid, pure, cryst., cns. lb. 1.25 - 1.75
dl-Phenylalanine, dms., works lb. 27.00 -37.50
l-Phenyl-3-carbethoxy pyrazolone-5, fib dms., 200-lb lots, dlvd. E. lb. 3.45 - —
fib. dms., smaller lots, dlvd E lb. 3.80 - —
N-Phenyldiethanolamine, dms., c.l., dlvd. E lb. .41 - —
ums., t.c.l., dlvd. E ..... lb. .43 - —
tanks, dlvd. E ..... lb. .38½- —
m-Phenylenediamine dms, frt. alld. lb. 1.05 - 1.10
o-Phenylenediamine coml., 100 to 1,000 lbs., fib dms., works lb. 1.70 - 1.80
p-Phenylenediamine, refd., dms., works lb. 1.42 - —
Tech., dms., works ..... lb. 1.40 - —
Phenylethanolamine, dms., c.l., works lb. .75½- —
dms. t.c.l. same basis lb. 76¼- —
Phenylethyl acetate bots. ..... lb. 1.30 - 1.60
b-Phenylethylamine dms., 1,000-lb. lb lots works lb. 1.10 - —
dms. smaller lots works ..... lb. 1.15 - 1.40
2-Phenylethyl alcohol, extra, dms. lb. 1.14 - 1.48
Standard, dms ..... lb. 1.10 - 1.60
Phenylglyconic acid (see Mandelic acid)
Phenylhydrazine, 97%, 450-lb. dms. lb. 1.45 - —
1-Phenyl-3-methyl pyrazolone-5, fib. dms., 250-lb. lots, dlvd. E lb. 1.80 - —
fib dms. smaller lots dlvd E lb 2.10 - —
Phenylethylphenyl acetate, bots lb. 4.00 - 4.25
o-Phenylphenol, dms., t.c.l. works. lb. .48 - .50
p-Phenylphenol, bgs. c.l. works lb. .38½- —
bgs., l.c.l., works ..... lb. .43 - —
Philippine copal gum, pale, chips, bgs lb. .23¾- .26
nubs, bgs. ..... lb. .32½- .36
seeds, bgs. ..... lb. .20 Nom.
sorts, bgs. ..... lb. .22¾- .25
Phloroglucinol, coml., fib. dms., works lb 6.40 - —
CP, bots., works ..... lb 7.75 - —
Tech., fib. dms., works ..... lb 10.45 - —
Phloxin red toner (see Eosin red toner).
Phosgene, ret. cyls., works ..... lb. .15½- —
Phosphate, defluorinated (see under D).
Phosphate rock, Curacao, Atlantic ports, New Orleans ton 48.00 - —
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, 66-68% b.p.l., bulk, c.l., mines, long-ton. 5.11 - —
68-70% b.p.l. bulk, c.l., same basis long-ton. 5.51 - —
70-72% b.p.l. bulk, c.l., same basis long-ton. 6.16 - —
74-75%, b.p.l., c.l., bulk, same basis long-ton. 7.16 - —
76-77% b.p.l., c.l., bulk, same basis long-ton. 8.16 - —
Above Florida prices are based on fuel oil at $2.57 per bbl. and labor at $1.47.
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald 100 lbs. 7.00 - —
cbys., l.c.l., same basis, 100 lbs. 7.25 - 7.75
tanks, t.w., works 100 lbs. 5.60 - —
Phosphoric acid, food grade, 80%, cbys., c.l., frt., equald, 100 lbs. 7.85 - —
cbys., l.c.l., works .. 100 lbs. 8.10 - 9.35
tanks, t.w., works .. 100 lbs. 6.00 - —
NF, 85%, cbys., c.l., works .100 lbs. 8.50 - —
cbys., l.c.l., works .. 100 lbs. 8.75 - 9.00
tanks, t.w., works .... 100 lbs. 6.65 - —
Phosphorus, amorph red, dms., t.l., works lb. .55 - —
dms., smaller lots, works lb. .56 - .57
white (yellow) solid dms., c.l., works, frt. equald lb. .20 - .20½
dms., t.c.l., works, frt. equald lb. .21½- —
tanks, works, frt. equald. lb. .19 - —
Phosphorus oxychloride, dms., c.l., works lb. .14 - —
dms., t.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .12½- —
Phosphorus pentasulfide, powd., dms., c.l., works lb. .13½- —
dms., t.c.l., works ..... lb. .14½- .15½
solid, dms., c.l., works ..... lb. .11½- —
dms., l.c.l., works ..... lb. .12½- .13½
Phosphorus pentoxide, dms., c.l., works lb. .1395- .1450
dms., t.c.l., works ..... lb. .1550- .1650
Phosphorus sesquisulfide, dms., cs., c.l., works lb. .38 - —
dms., t.c.l., works ..... lb. .39 - .40
Phosphorus trichloride, dms., c.l., works lb. .14 - —
dms., t.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .12½- —
Phthalic anhydride, bgs., c.l., works, frt equald lb. .21 - —
bgs., t.c.l., same basis ..... lb. .22 - —
tanks, same basis ..... lb. .20½- —
Phthalimide, 97-98%, dms., frt. allowd lb. .65 - —
Phthalocyanine blue, full strength, bbls., dlvd. E. of Rockies lb. 3.45 - —
Resinated, bbls. same basis lb 3.00 - —
Water dispersable, bbls., same basis lb. 1.69 - —
Phthalocyanine blue prices 1c. higher W. of Rockies.
Phthalocyanine green toner, bbls., works lb. 3.95 - —
Resinated, bbls. ..... lb. 3.50 - —
Water dispersable, bbls. lb. 1.71 - —
Phthalocyanine green prices 1c. higher W. of Rockies.
Phthalylsulfacetamide, fib. dms., 1,000-lb. lots or more .. lb. 5.00 - —
NF, fib. dms. ..... lb. 5.20 - —
a-Picoline, dms., c.l., works, frt. equald lb. .43 - .43½
dms., t.c.l. works, frt. equald lb. .44 - —
tanks, same basis ..... lb. .415 - .423
b,g-Picoline, 5°C, dms., c.l., works. lb. .32½- —
dms., t.c.l., works ..... lb. .33 - —
g-Picoline, 98%, dms., l.c.l., dlvd lb. 2.00 - —
Pieric acid, NF, bbls. ..... lb. .25 - —
Tech, bbls. ..... lb. .44 - —
Pigment green B, kgs. ..... lb. 1.45 - —
Pilocarpine hydrochloride, USP, bots oz. 4.75 - 5.25
Pilocarpine nitrate, USP, bots., vials. oz. 4.65 - 4.75
Pimento, Jamaican, bgs ..... lb. .65 - —
Mexican, bgs. ..... lb. .31 - —
Pimento berry oil, NF, dms ..... lb. 3.75 - 9.25
Pimento leaf oil, cns ..... lb. 2.00 - 2.60
Pine oil, dest.-dist., dms., l.c.l., works lb. .15 - —
dms. t.c.l. ex whse New York. lb. .173 —
Steam-dist., dms., ex whse, New York lb. .176 - —
dms. dlvd. ..... lb. .179 - —
Pineneedle oil, Siberian (see Abies Siberica oil).
Pinetar oil, coml. dms. c.l., works. lb. .0561- —
dms., t.c.l., works ..... lb. .0634- —
dms., c.l., ex whse., New York. lb. .0745- —
tanks, works ..... lb. .046 - —
Rectified, NF, dms., included, t.c.l., works, South lb. .40 - —
dms., incl. t.c.l., ex whse., New York lb. .41½- —
Refd., dms., incl., t.c.l., works lb. .35 - —
dms. incl. t.c.l., ex whse., New York .. lb. .36½- —
Pink root, bls. lb. 2.50 - —
Piperazine, dry, dms., t.l., frt. alld. lb. 1.95 - —
dms., t.c.l., same basis ..... lb. 2.00 - —
Piperazine citrate, 36%, dms., t.l., frt. allwd lb. 1.07 - —
dms., l.t.l., same basis ..... lb. 1.09 - —
Piperazine hexahydrated, 44%, dms., frt. allwd lb. .88 - —
dms., l.t.l., same basis ..... lb. .90 - —
Piperidine, dist., dms., frt. equald. lb. 1.10 - —
Piperonyl butoxide dms. dlvd. E lb 4.50 - 5.05
Piperonyl cyclonene dms. dlvd E lb 3.70 4.25

### Pitches

Pitch quotations, formerly grouped under one heading, are now listed individually. For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).
Platinum metal, works ..... oz. 64.00 -70.00
Pleurisy root bls. ..... lb 45 .50
Podophyllum resin, NF, dms .. lb 15.60 -16.10
Poke root, bls. ..... lb .19 .22
Polymyxin, bulk, bots., 50 billion units or more 1,000,000 units. .52 - —
bulk, bots., 25-50 billion units, 1,000,000 units. .54 - —
bulk, bots., 1-25-billion units, 1,000,000 units. .56 - —
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
dms., 10,000-20,000-lb. lots, works lb. .43 - —
dms. smaller lots, works lb. .46 .48
Polyoxyethylene sorbitan tristearate, dms. 20,000-lb lots works, lb. .41 —
dms., 10,000-20,000-lb. lots, works lb. .43 - —
dms. smaller lots, works lb. .46 .48
Pontianak copal gum chips bgs lb. .26 —
Nuhs bgs lb. .37 .40
Poppy seed, Argentine, bgs .... lb. No stocks.
Dutch, bgs. ..... lb. .33 - —
Danish ..... lb. No stocks.
Polish, bgs. ..... lb. .33 - —
Turkish, bgs. ..... lb. No stocks.
Potash, caustic, liq., 45% basis, dms., c.l. works 100 lbs. 4.25 - —
dms., t.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
Flake, 88-92%, dms., c.l., same basis 100 lbs. 9.15 - —
dms., t.c.l., same basis 100 lbs. 10.20 - —
Solid, 88-92%, dms. c.l., works. 100 lbs. 8.70 - —
dms., t.c.l., works .... 100 lbs. 9.75 - —
Potassium acetate, NF, dms lbs. .31 - .36
Potassium bicarbonate, USP, gran., dms lb. .22 - —
USP, powd., dms lb. .24 - —
Potassium bichromate gran., bgs., c.l., t.l., works lb. .18 - —
bgs., t.c.l., works lb. .18½- .19¾
Potassium bichromate in dms ¼c. higher.
Potassium bitartrate, gran. or powd., dms., c.l. lb. .40 - —
dms. 5,000 lbs. 1 shipt lb. .40½- —
dms., smaller lots lb. .41 - .43
Imp., NF, gran. or powd., kgs. lb. .33½- .37
Potassium bromate, dms., 1,000-lb. lots or more, works lb. .50 - —
dms., smaller lots, works lb. .52 - .62
Potassium bromide, USP, gran., bbls., kgs lb. .39 - .40
Potassium carbonate, NF gran., bbls. dms lb. .20 - —
dom., NF, powd., bbls., dms lb. .21 - .22
Tech., calcined, bgs., c.l., works. 100 lbs. 8.50 - —
bgs., l.c.l., same basis 100 lbs. 9.55 - —
Potassium carbonate, hydrated, 83-85%, bgs., c.l., works. 100 lbs. 7.10 - —
bgs., l.c.l., works ..... 100 lbs. 8.15 - —
Potassium chlorate, cryst. dms. c.l., works. lb. .12¼- —
dms. l.c.l., works ..... lb. .13½- .14¼
Powd., dms., c.l., works ..... lb. .12¾- —
dms., t.c.l., works ..... lb. .14 - .15
works lb. .12¼- —
NF, cryst., works, dms., 2,000 lbs. or more, works lb. .16¾- —
Gran., 25-lb. metal dms ..... lb. .36 - —
Powd. dms., 2,000 lbs. or more, works lb. .17¼- —
Potassium chloride, agricultural (see Potassium muriate).
Potassium chloride, indust., 99.9% KCl, bulk, c.l., works ton 29.00 - —
bgs., c.l., works ton 33.50 - —
99.3% KCL, bulk, c.l., works ton 27.00 - —
bgs., c.l., works ..... ton 31.50 - —
USP, cryst., dms. ..... lb. .20 - .22
gran., dms. ..... lb. .21 - .23
powd., dms ..... lb. .24 - .26
Potassium chromate, tech., bgs lb. .50 - .50¼
Potassium citrate, USP, gran., dms. lb. .43 - —
Powd., dms. ..... lb. .40½- .41¼
Potassium cyanide, dms. 20,000-lb. lots or more, works lb. .42½- —
dms., 2,000-19,999-lb. lots, works lb. .43 - —
dms., smaller lots, works ..... lb. .44 - .44¼
Potassium dichromate (see Potassium bichromate).
Potassium ferricyanide, dms., ton lots, works lb. .50 - —
dms., smaller lots, works lb. .65 - —
Potassium ferrocyanide, dms., ton lots, lb. .24½- —
dms., smaller lots ..... lb. .29 - —
Potassium fluoborate, fib. dms., c.l., works lb. .30 - —
fib. dms., t.c.l., works lb. .31 - —
Potassium fluoride, dms., works lb. .37 - .38
Potassium gluconate, dms. ..... lb. 1.67 - —
Potassium guaiacolsulfonate, NF, dms lb 2.10 2.30
Potassium hydroxide, tech. (see Potash, caustic).
Potassium hydroxide, USP, pellets, 100-lb dms., 1 to 100-dm. lots lb. .33¼- .38
Potassium hypophosphite, NF, fib. dms., 1,000-lb lots lb. 1.38 - —
Potassium iodide, 250-lb. dm. ... lb. 1.43 - —
Potassium manure salt, 22% $K_2O$, bulk, c.l., works unit-ton. .17 - .1763
Potassium metabisulfite, gran., dms. lb. .16 - —
Powd., dms. ..... lb. .27 - —
Potassium muriate, standard and gran., 59-63% $K_2O$, bulk, c.l., works, base price unit-ton. .35 - —
Gran., 60-63% $K_2O$, bgs., c.l., works, contract price ton 26.25 -26.50
bgs., c.l., works, list price ton 27.45 -27.50
Potassium nitrate, NF, cryst., bbls., 20-ton lots 100 lbs. 16.50 - —
bbls., smaller lots 100 lbs. 17.50 -18.00
NF, gran., bgs., 20-ton lots 100lbs. 9.25 - —
bgs., smaller lots ... 100 lbs. 10.50 -11.00
NF, powd., bgs., 20-ton lots 100 lbs. 10.25 - —
bgs., smaller lots 100 lbs. 11.50 - 12.00
Potassium oxalate, neutral, tech., fine gran., bbls., dms. lb. .32 - .34
Potassium pentaborate, gran., dms., c.l., works ton 219.50 - —
dms., ton lots, ex whse ton 311.00 - —
dms., smaller lots, ex whse ton 316.00 - —
Powdered potassium pentaborate $10 per ton higher.

Potassium perchlorate, dms., c.l., works lb. .18½- —
dms., l.c.l., works lb. .19 - .20
Potassium permanganate, coml. kgs., works lb. .26 - .29
USP, dms., works lb. .29½- .31
Potassium persulfate, dms., c.l., works lb. .17½- —
dms., l.c.l., works lb. .18 - .21
Potassium pyrophosphate, tetrabasic, dms., works lb. .15½- .18½
Potassium prussiate red (see Potassium ferrocyanide).
Potassium prussiate yellow (see Potassium ferro-cyanide).
Potassium silicate, electrical grade, 30° Be, 1:2.0, dms., c.l., works 100 lbs. 6.50 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 7.25 - 7.63
tanks, works 100 lbs. 6.15 - —
Potassium silicate, glass grade, 40.5° Be, 1:2.1, dms., c.l., works, 100 lbs. 5.93 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 6.70 - —
tanks, works 100 lbs. 5.60 - —
Potassium silicate glass, pgs., c.l. works 100 lbs. 17.30 -18.15
bgs. l.c.l. works 100 lbs. 17.80 - —
Potassium silicate, soln., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 4.93 - —
dms. l.c.l. 5 dms or more works 100 lbs. 5.70 - —
tanks, works 100 lbs. 4.60 - —
Potassium silicofluoride, bgs., works lb. .09½- .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.
Potassium stannate, dms., frt alld. E lb. .753 - .827
Potassium sulfate, agricultural, 50% K₂O, bulk, works, base price unit-ton. .54 - —
bulk, works, July forward, unit-ton. .67 - —
Potassium sulfate, NF VII, cryst., dms lb. .31 - .33
Gran., dms. lb. .18½- —
Powd., dms. lb. .16 - .17
Potassium sulfocyanate, NF, cryst. (see Potassium thiocyanate)
Potassium thiocyanate, NF cryst., dms., works lb. .96 - .98
Tech. dms. works lb. .77 - .79
Potassium titanate, ctns., c.l., works, lb. .16¼- —
ctns., 5-ton lots, works lb. .16½- —
ctns., 1-ton lot or less, works lb. .16¾- —
Potassium-magnesium sulfate, basis 40% $K_2SO_4$ and 18% MgO, bulk, works, base price ton. 13.45 - —
bulk, works, July forward ton. 14.00 - —
Potassium-sodium tartrate, NF gran. or powd. dms., c.l. lb. .42½- —
dms., 5,000-lb. lots lb. .43 - —
dms., smaller lots lb. .43½- .49
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
fib. dms., l.c.l. works lb. .52½- .55
Potato starch (see Starch potato)
Pregnenolone bots. gram. No prices
Pregnenolone acetate, bots. gram. No Prices
Procaine hydrochloride USP dms., 1,000-lb lots, frt alld lb 2.83 - —
dms. 100-500 lb lots lb 2.95 3.15
Progesterone, USP, bots. gram. No prices.
Progesterone acetate, bots. gram. No prices.
Propane indust. tanks, group 3, gal. .05 —
tanks, Baton Rouge gal. .05375- —
tanks, New York harbor (¼c. discount offered). gal. .1005- —
Propenyl guaethol, dms. lb. 24.30 -27.00
Propionic acid syn., pure, dms., c.l., works lb. .23¼- —
dms., l.c.l., works lb. .24¼- —
tanks works lb. .20¾- —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾- —
dms., l.c.l., dlvd. lb. .15¾- —
tanks, dlvd. lb. .12¼- —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - —
dms., l.c.l. dlvd lb. .15 - —
tanks, dlvd. lb. .11½- —
n-Propyl gallate dms., 100 to 2,000-lb lots works lb. 3.90 - 4.40
n-Propyl p-Hydroxybenzoate, USP, dms lb 2.30 - 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo 55.00 - —
bots., smaller lots kilo 55.10 -75.30
Propylene dichloride, consumers, dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis lb. .0950- —
tanks, same basis lb. .07 - —
Propylene dichloride prices in West 1c. higher same basis.
Propylene glycol, indust., dms., c.l., dlvd E lb. .16 - —
dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½- —
USP, dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l. same basis lb. .19 - —
tanks, same basis lb. .15½- —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylene oxide, dms., c.l., dlvd E, lb. .18 - —
dms., l.c.l., dlvd E lb. .19 - —
tanks, dlvd. E lb. .15½- —
Psyllium seed, black, bgs. lb. .32 - .34
Blonde, bgs. lb. .16 - .18
Husks, bgs. lb. .39 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots, lb. .03½- .04¼
bgs., smaller lots lb. .03½- —
Imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs. ton. 60.00 - —
fine, bgs. ton. 60.00 -70.00
Pumpkin seed, ogs lb. .25 - .26
Pyrethrins, syn (see Allethrin)
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 - —
Powd. 1.3% pyrethrins, bbls., works lb. .63 - —
Pyrethrum liquid, 20:1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.73 8.85
100:1 basis (10 grams pyrethrins per 100cc odorless base) dms., works gal. 41.73 -42.75
Pyrethrum oleoresin, dewaxed, 20%, dms., works lb. 10.00 - —
purif., 20% dms., works lb. 10.00 -10.10
Pyridine, denat., dms., c.l., works and frt. equald gal. 2.77 - —
dms. l.c.l., same basis gal. 2.80 - —
Refd., 2° non-ret. dms., l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 500-gram lots or more kilo. 218.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 6.00
Pyrocatechol (see Catechol)
Pyrogallic acid NF (see Pyrogallol)
Pyrogallic acid, tech. bbls lb 3.17 3.25
Pyrogallol NF 100 lb dms lb 3.50 —
Pyroxylin, USP, bots. lb. 2.50 - —

## Q

Quassia chips lb. .17 - —
Quebracho extract, clarified, grd., 70% tannin, bgs., works lb. .16½- .17
Clarified, liq., 35% tannin, bbls., works lb. .08½- .08½
Clarified, solid, 64% tannin, bgs., c.l., ex dock lb. .108718- —
Ordinary solid 63% tannin, bgs., c.l., same basis lb. .099223 —
Quercetin, fib, dms., kilo lots kilo. 26.40 - —
Quercitron extract, cryst. No. 1, bbls., l.c.l. lb. .40 - —
Liq., No. 1, bbls. l.c.l. lb. .19 - —
Quicksilver (see Mercury metal)
Quince seed, bgs lb. 2.00 Nom
Quinidine sulfate, USP cns. 1,000-oz. lots oz. .74½- .75
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Quinine bisulfate, USP cns., 100-oz. lots oz. .28 - .29
Quinine hydrochloride cns. 1,000-oz. lots oz. .32 - —
Quinine sulfate, USP cns. 1,000-oz. lots oz. .27½- .29
Quinoline, dms., c.l. frt. equald lb. .50¾- —
dms., l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

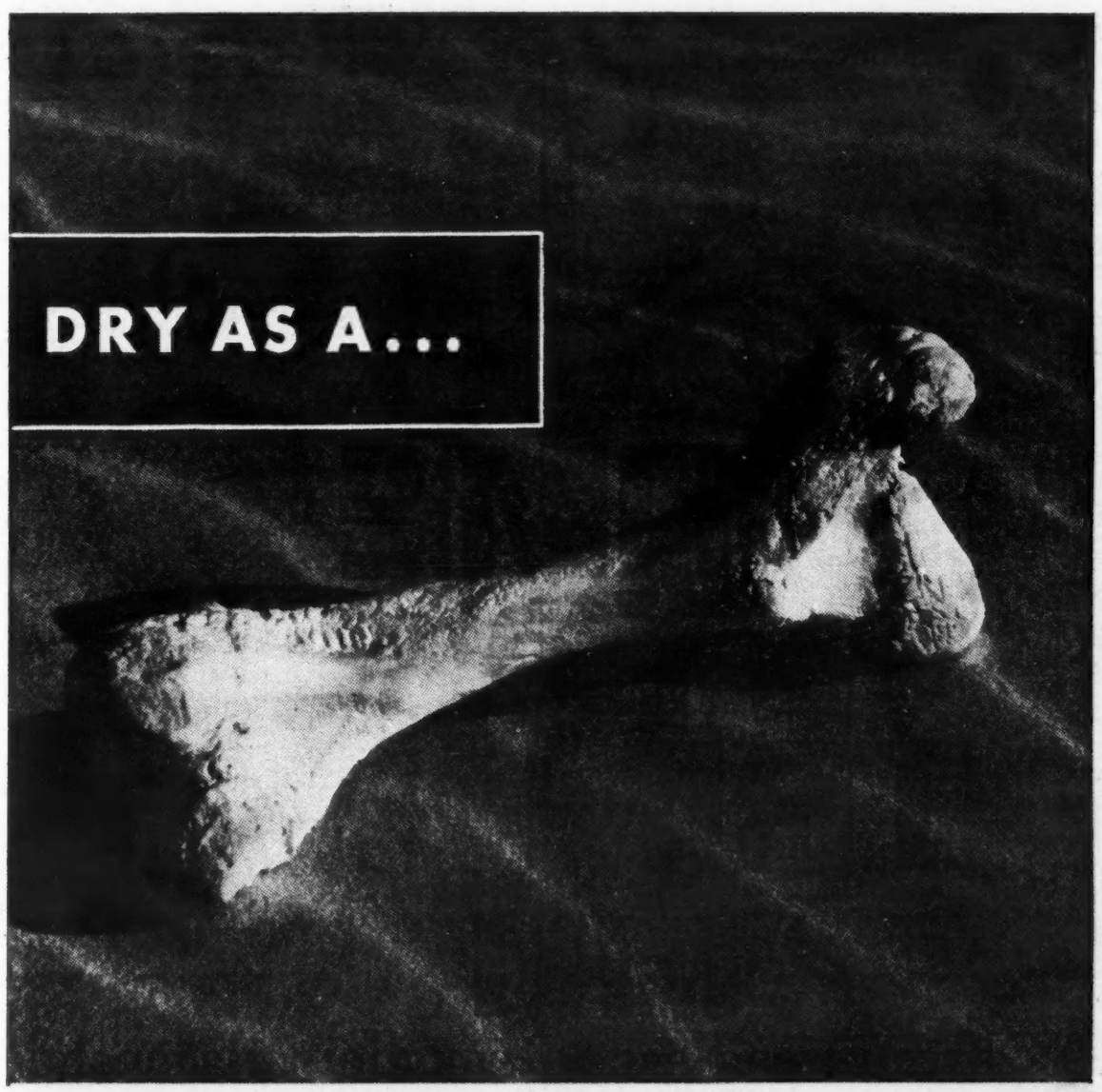
## R

R salt, paste, dms. frt. alld., 100% basis lb. .68 - —
Powd., frt. alld. 100% basis lb. .98 - —
Rapeseed oil, dms., lb. .17½- .18
tanks lb. .16 - —
Rare earth oxalate, 45-50%, bgs., works lb. 1.00 - —
Rauwolfia serpentina root powd., bbls., dms lb. 1.00 - —
Red, carmine No. 40 (see Carmine)
Red oil (see Oleic acid)

### Red Pigments

Red pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red precipitate (see Mercuric oxide, red)
Red saunders NF powd. bbls lb. .33 .40
Reserpine, cryst., bots. gram. 1.40 - 1.60
Resorcinol, tech grade, dms. c.l., works frt. equald lb. .77½- —
dms. l.c.l. same basis lb. .78½- —
USP, cryst. dms works lb 2.75 - —
powd., dms. works lb 2.95 - —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root bgs. lb 15 - .16
Rhodamine red toner, molybdated, PMA, kgs lb. 6.00 - —
Tungstated, PTMA works kgs lb 6.00 - —
Rhodinol, 5-lb cans lb. 33.00 39.00
Synthetic lb 15.00 16.00
Rhubarb root, India, whole, bgs lb 30 —
Powd., bgs. lb. .38 - —
Riboflavin USP tn dms, kilo or more dlvd kilo 40.00 —
USP readily soluble bots dlvd kilo 130.00 - —
Riboflavin 5-phosphate-sodium fib dms. kilo or more dlvd kilo 107.50 —
Rice bran oil, clarified, dms., l.c.l. tanks, dlvd. E lb. .14 Nom.
Rice starch (see Starch rice)
Ricinoleic acid (see Castor oil acids split)
Rochelle salt (see Potassium-sodium tartrate).
Roofing pitch (see Coaltar pitch roofing)
Rose oil, nat., Bulgarian, bots oz. 72.00 —
Turkish, bots. oz. 55.00 -58.00
Rosemary oil, Spanish, NF cns. dms lb. 1.10 - 1.40
tech., cns., dms lb. .50 - 1.10
Rosin gum and wood (see Naval Stores in Protective Coatings market)
Rotenone, fib dms., works, unit-lb .12 - —
resin, 25-45% fib dms. works, unit-lb. .12 - —
Rottenstone, bgs., 2-ton lots, ex-whse lb. 03¾- —
bgs. ton lots, same basis lb. .04¼- —
Rubber solvent, petroleum tanks, Calif. ex tax, San Francisco gal. .178 - —
tanks, east coast, N. J., N. Y. gal. .19 —
tanks, group 3 gal. .13375- —


# ISOPROPYL ALCOHOL

Versatile Enjay Isopropyl Alcohol . . . employed in the formulation of rubbing compounds, antiseptics, cleaning agents and for general external use . . . is now available in an anhydrous grade as well as in 91% and 95% concentrations.

Fill your requirements with Enjay Isopropyl Alcohol. It's economical and efficient . . . non-potable . . . free of Alcohol Tax Unit regulations. The Enjay Company also offers a complete line of petrochemicals for industrial use.

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ENJAY

*Pioneer in Petrochemicals*

**FOR COMPLETE INFORMATION** on specifications and performance characteristics of Isopropyl Alcohol, and many other high quality petrochemicals, contact the nearest Enjay office. Shipments will be made from conveniently located distribution points in tank car, truck, or 55 gal. drum quantities.

Rue oil, bots. ..... lb. 2.75 - 3.00
Rutin NF fib dms., 10 kilo lots kilo.16.50 - —
fib. dms., 5 kilo lots ..... kilo.17.00 - —
fib. dms., 1 kilo ..... kilo.18.00 - —
Ryania (100%, powd. bgs., c.l., works lb .22 - —
bgs. l.c.l., same basis .... lb. .24 - —

## S

S acid, bbls., works ..... lb. 3.25 - —
Sabadilla seed, activated, ground with lime, bbls lb. .42 - .44
Saccharin, calcium fib dms. 1,000-lb lots works lb 2.50 - —
USP, gran., soluble, dms., 1,000-lb. lots lb. 1.60 - —
dms., smaller lots lb 1.70 1.80
USP powd., soluble insoluble, dms. 1,000-lb lots lb. 1.65 - —
dms., smaller lots lb 1.75 - 1.95
Safflower oil, dms., New York lb. .1785- .1835
tanks, same basis lb .1585- —
Refd., pharm., dms ..... lb. .32½- —
Safrol, dms. ..... lb. .80 - .95
Saffron, Mancha Superior, tins lb.34.00 - —
Sage, Greek, bgs ..... lb. .14 - —
Dalmatian, cns. ..... lb. .36 - .40
Italian, cns. ..... lb. .15 - —
Sage oil, clary, bots. ..... lb.25.00 -32.00
Dalmatian, cns. ..... lb. 3.75 - 4.00
Spanish, cns ..... lb 1.20 - 1.45
Sage flour raw bgs. ..... lb .07 - .07¼
Refd., bgs. ..... lb. .09 - .09¼

Sal soda (see Soda sal).
Salicylaldehyde, dms., c.l., t.l., f.o.b. plant, frt. equald lb. 1.23 - —
dms., l.c.l., same basis ..... lb. 1.25 - —
Salicylamide, 100-lb. dms ..... lb. 1.00 - 1.10
Salicylic acid, crude, fib dms., c.l., t.l., frt alld lb. .37¼- —
fib. dms., l.c.l., frt. alld. on 100 lbs. or more lb. .38½- —
sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., l.c.l., dlvd. ..... lb. .43½- —
USP, cryst., 200-lb. fib. dms., 1,000-lbs. or more ..... lb. .50½- —
fib. dms., less than 1,000 lbs. lb. .53½- —
100 lb. fib. dms. 1,000 lbs. or more lb. .52½- —
fib. dms., less than 1,000 lbs. lb. .55½- —
USP, powd., 100 lb. fib dms., 1,000 lbs or more lb. .57½- —
fib. dms., less than 1,000 lbs. lb. .60½- —
Salol, NF, gran., bbls., kgs. lb. 1.20 - —
Powdered salol, 25c per lb higher.
Salt, rock, paper bgs., c.l ..100 lbs. 1.09 - —
Salt, table, vacuum, common, fine, paper bgs., c.l. . 100 lbs. 1.34 - —
Saltcake, dom., bulk, works, 100% $Na_2SO_4$ basis ton.28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, E. Indian chips, bgs. lb. .65 - .66
Powd., fib. dms ..... lb. .75 - .76
Sandalwood oil, cns. ..... lb.11.20 -13.25
Sardine oil, crude, tanks, Pac. coast. lb. No stocks.
Sassafras oil, artif., dms. ..... lb. .50 - .62
Nat., dom., dms ..... lb. 1.70 - 2.15
Savin oil, USP, cns. ..... lb. 7.50 - —
Savory oil, cns. ..... lb. 4.25 - —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .85 - —
Powd. bgs., frt. alld. 100% basis. lb. .95 - —
Scopolamine hydrobromide, USP, bots oz.13.00 -15.90
Sebacic acid, CP, dms., c.l., works, lb. .69½- —
dms., l.c.l., works ..... lb. .71½- —
Purified, dms., c.l., works ..... lb. .65½- —
dms., l.c.l., works ..... lb. .67½- —
Seidlitz mixture, fib dms. 5,000-lb. lots lb. .30½- —
fib. dms., smaller lots ..... lb. .31 - .32
Selenium, powd., 99½%, dms., dlvd. lb. 7.00 - —
Senega root, bls ..... lb. 2.65 - 2.70
Senna leaves, Alexandria, whole and half, bls lb. .19 - —
siftings ..... lb. .17 - —
Tinnevelly, No. 1, bls ..... lb. .19 - .20
No. 2, bls ..... lb. .16 - .17
No. 3, bls ..... lb. .14 - —
pods, bls ..... lb. .22 - —
powd., bbls., bxs ..... lb. .17 - —
Serpentaria root, bls ..... lb. 7.50 - 8.00
Sesame oil, USP, dms ..... lb. .38 - .39
Sesame seed, Leb, hulled, bgs. lb. .19 - —
Columbian, hulled, bgs ..... lb. .15½- —
Nicaraguan, hulled, shipt., bgs., lb. .24½- —
nat., bgs. ..... lb. .16 - —
Salvadorian, nat., bgs ..... lb. .16 - —

Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 - —
bbls., 1,500-lb. lots ..... lb. .47 - —
kgs., 1,500-lb. lots ..... lb. .48 - —
Bonedry shellac prices for less than 1,500 lb. lots 1c. per lb. higher for all packages.
Shellac, bleached, refd., bgs., 1,500-lb. lots ..... lb. .56 - —
bbls., 1,500-lb. lots ..... lb. .57 - —
kgs., 1,500-lb. lots ..... lb. .58 - —
Shellac orange, lemon No. 1, bgs., 10-bg. lots lb. .38 - .39
lemon No. 2, bgs., 10-bg. lots lb. .36 - .37
superfine, bgs., 10-bg. lots .. lb. .34 - .35
TN, bgs., 10-bg. lots ..... lb. No Stocks
Shellac in 1 to 10-bg. lots 1c. per lb. more.
Shingle stain oil, tar distillate, dms., c.l., works gal. .37 - —
dms., l.c.l., works ..... gal. .48 - —
tanks, works ..... gal. .25 - —
Sienna pigment, burnt, paper bgs., c.l., works lb. .06½- .18½
paper bgs., l.c.l., works . lb. .06¾- .17¾
Raw, paper bgs., c.l., works lb. .06¾- .16¾
paper bgs., l.c.l., works lb. 07 - .17
Silica, amorph, dry-grd 325 mesh bgs., c.l., works ton 25 00 -
bgs. l.c.l. works ex whse ton 45 00 -55 00
hard-quartz, 99½%, 325 mesh bgs., c.l. works .... ton 20 00 - —
bgs. l.c.l. works ton 25 00 - —
99½% 140 mesh bgs., c.l. works ton 15.00 - —
bgs. l.c.l. works ton 20.00 - —
Silicon tetrachloride tech. dms. c.l. works lb .18 - —
dms., l.c.l. works lb. .22 - .30½
tanks, works lb. 17 -
Silver bullion, ingots, cs Troy oz. .88⅛- —
Silver cyanide, bots., 1,000-oz. lots. oz. .89½- —
bots., 500-oz. lots ..... oz. .90 - —
bots., 100-oz. lots ..... oz. .91 - —
Silver nitrate CP, cryst., bots., 2,500-oz. lots oz. .63¼- —
bots., 1,000-oz. lots. ..... oz. .63⅜- —
bots., 500-oz. lots ..... oz. .64½- —
bots., 250-oz. lots ..... oz. .64¾- —
USP granular silver nitrate 4c. per oz. higher.
Silver proteinate, mild, USP bots., dms. 1,000-oz lots oz. 1.15 - —
Strong, NF bots. dms. 1,000-oz. lots oz 1.10 -
Snakeroot oil, Canada, cns ..... lb.53.00 -60.00
Soapbark, crushed, bls ..... lb. .35 - —
Powd., bls. ..... lb. .35 - —
Whole, bls. ..... lb. .30 - —
Soda ash dense, 58%, paper bgs., c.l., works 100 lbs 1.90 - —
paper bgs., l.c.l., stock pts 100 lbs. 3.00 4.77
bulk, c.l., works 100 lbs. 1.60 - —
Light, 58%, paper bgs., c.l., works 100 lbs. 1.85 - —
paper bgs., l.c.l. stock pts. 100 lbs 3.95 4.72
bulk, c.l., works 100 lbs 1.55 - —
Soda, caustic, flake, 76% dms. c.l. works, frt. equald 100 lbs. 5.20 - —
Liq., 50% sellers tanks, works, dry basis 100 lbs 2.90 - —
50%, rayon type, sellers tanks, works, dry basis 100 lbs. 2.90 - 3.00
73%, sellers' tanks, works, dry basis 100 lbs. 3.00 - —
Soda, caustic, liq., 73%, rayon type, sellers' tanks, works, dry basis 100 lbs. 3.00 - 3.10
Solid, 76%, dms., c.l., works, 100 lbs. 4.80 - —
Soda, sal conc., bgs., c.l., works, 100 lbs 2.50 - —
bgs. smaller lots, works 100 lbs 2.80 - —
Sodium acetate, anhyd., bgs., c.l., dlvd. E lb. .14½- —
bgs., l.c.l., same basis .... lb. .16½- —
NF, 60%, gran., dms., c.l., works lb. .15½- —
dms., l.c.l., works lb. .17½- —
Sodium alginate, NF, white powd., dms., 300 lbs or more lb. .93 - —
Sodium p-aminosalicylate, dms., 100-lb lots or more, frt. adjusted lb 2.70 - —
Sodium antimoniate, bgs., c.l., dlvd. E lb. .25½- —
bgs., l.c.l., dlvd. E ..... lb. .27 - —
Sodium arsenate, 60% arsenic pentoxide, dealers, dms., ton or more, works lb. .26 - —
dms., less than ton lots, works lb. .26½- —
Sodium arsenite, 90%, pink powder, 75% arsenious oxide, dealers, dms., ton lots or more, works. lb. .17½- —
dms., less than ton lots, works. lb. .18 - .19
Sodium ascorbate, dms., 25-50 kilo lots kilo.10.00 - —
dms., 10-kilo lots ..... kilo.10.35 - —
dms., 5-kilo lots ..... kilo.10.75 - —
dms., 1-kilo lots ..... kilo.11.00 - —
bots., 500-gram bots ..... kilo.11.50 - —
Sodium benzoate, tech., c.l., t.l., frt. alld lb. .35 - —
dms., l.c.l., same basis ..... lb. .39 - —
USP, c.l., t.l., frt. alld ..... lb. .38 - —
ton lots, same basis ..... lb. .43 - —
1,000-lb. lots, same basis ... lb. .45 - —
Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.95 - —
bgs., l.c.l., works ... 100 lbs 3.85 - —
USP, powd., bgs., c.l., works, 100 lbs. 2.55 - —
bgs., l.c.l., works 100 lbs. 3.45 - —
Sodium bichromate, gran., bgs., c.l., t.l., works lb. .13 - —
bgs., l.c.l., works lb. .13½- .14¼
Sodium bifluoride bbls, c.l., works, frt. equald lb. .19½- —
bbls., l.c.l., same basis . lb. .1990- —
Sodium bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 - 3.60
dms., l.c.l., frt. equald 100 lbs. 3.50 - 4.10
Sodium bisulfite, anhyd., bgs., c.l., works 100 lbs. 5.00 - —
bgs., l.c.l., works ..... 100 lbs. 5.45 - —
Soln., 35°, bbls., c.l., works. 100 lbs. 1.70 - —
bbls., l.c.l., works 100 lbs. 2.20 - —
Sodium borate (see Borax)
Sodium bromide, USP, gran., dms., works lb. .40 - —
Sodium carbonate, cryst. monohydrated (see Soda, sal)
Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs. 3.10 - —
bgs., l.c.l., works ..... 100 lbs. 3.50 - —
Sodium carboxymethyl cellulose (see CMC)
Sodium chlorate, cryst., 350-lb. dms., c.l., works lb. .09 - —
dms., l.c.l., works ..... lb. .09½- .10½
Sodium chlorate in 100-lb. dms. only, ¼c. per lb. higher.
Sodium chloride, tech. (see Salt).
Sodium chloride, USP, gran., bgs. lb. .05 - —
Sodium chlorite, tech. dms., c.l., works lb. .58 - —
dms., 20-dm. lots or more, works. lb. .66 - —
dms., smaller lots, works ... lb. .70 - .73


# GOOD TIME TO TRIM FAT

## from needless caustic soda costs!

Columbia-Southern's experience in manufacturing and selling quality caustic soda convinces us that many caustic users can effect appreciable savings on their current costs. Isn't this the ideal time to see if this applies to your caustic consumption?

Let's take the *form* of caustic you are buying and handling. Are you quite sure that new or projected changes in your products or processing won't be benefited by purchasing liquid, rather than anhydrous? Or vice versa? Or 73% liquid, rather than 50%? Do you have reliable figures on diluting and storing the stronger concentration? How about the facts on completely up-to date unloading techniques and equipment?

How about the uniform *quality* of the caustic you are receiving? Here again, Columbia-Southern can advise you with the authority of recognized experience. As a matter of record, we have led in developing improved tank car linings, heating, insulation, and safety features . . . patented unloading and dilution processes . . . economical waterways delivery.

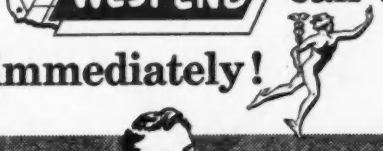
Our well-grounded Technical Service engineers have helped customers save thousands of dollars in buying and using caustic soda. Isn't it good business, especially *now*, to see what savings they might work out for you? You may request their services either through our Pittsburgh address, or any of the fourteen Columbia-Southern District Sales Offices.

The Columbia-Southern Chemical Corporation, One Gateway Center, Pittsburgh 22, Pennsylvania. Offices in principal cities. In Canada: Standard Chemical Limited.

COLUMBIA-SOUTHERN CHEMICAL CORPORATION A Subsidiary of Pittsburgh Plate Glass Company

| | | | |
|---|---|---|---|
| Sodium chloroacetate tech., dms., c.l., works | lb. | .27 | — |
| dms. l.c.l. works | lb. | .28 | — |
| Sodium chromate, anhyd., fib. dms., c.l., t.l. works | lb. | .14¾ | — |
| fib. dms. l.c.l. works | lb. | .15¼ | .16½ |
| Sodium chromate, tetrahydrate, bgs., c.l., t.l., works | lb. | .1015 | — |
| bgs. l.c.l. | lb. | .1065 | .1190 |
| Sodium citrate, anhyd. dms | lb. | .62 | — |
| NF VIII, gran., dms | lb | .26½ | .27½ |
| USP XIV gran. dms | lb | 29½ | .30½ |
| Sodium citrate USP powd prices ½c higher | | | |
| Sodium cyanate dms. 1,000-lb. lots, works | lb. | .85 | — |
| dms. smaller lots works | lb | 90 | 1 10 |
| Sodium cyanide, flake, 96-98%, dms., c.l. or 20,000-lb lots | lb. | 193 | — |
| dms. over 1,000-lb lots | lb | .203 | — |
| dms. 100-lb to 1,000-lb lots | lb. | 213 | — |
| Gran sodium cyanide 1c higher. | | | |
| Sodium diacetate, 33-35% acidity, 250-lb dms works | lb | 15 | — |
| 250-lb dms. l.c.l works | lb. | 15¼ | — |
| Anhyd. dms c.l. works | lb | 18 | — |
| dms. l.c.l works | lb | 18¾ | — |
| Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis | lb. | .42 | — |
| dms., l.c.l., l.t.l., same basis | lb. | .47 | .52 |
| tanks, same basis | lb. | .38 | — |
| Sodium ferrocyanide bgs. 10-ton lots | lb | 13½ | — |
| bgs. smaller lots | lb. | 14 | — |
| Sodium fluoride white 97% fib. dms. c.l. works, frt. equald | lb. | 1390 | — |
| fib. dms. l.c.l. works, frt. equald | lb | 1430 | — |
| Sodium formate bgs. c.l. works. | 100 lbs | 7 60 | — |
| bgs. l.c.l. works | 100 lbs | 8.65 | — |
| Sodium gentisate 100-lb fib dms | lb | 5 50 | — |
| Sodium gluconate refd. dms. | lb | 84 | — |
| Tech., dms., bgs. | lb. | .37 | .39 |
| Sodium hydride powd. dms. works. | lb. | 1.90 | 2.75 |
| Sodium hydrosulfide (see Sodium sulfhydrate) | | | |
| Sodium hydrosulfite dms. c.l., frt. alld | lb. | .23¾ | — |
| dms. l.c.l. frt. alld | lb. | .24¾ | — |
| Sodium hydroxide NF pellets 100-lb dms. 1 to 100-dm lots. | lb. | .23½ | .28 |
| Sodium hydroxide tech. (see Soda, caustic) | | | |
| Sodium hypophosphite NF dms., 1,000-lb. lots | lb. | .97 | — |
| Sodium hyposulfite anhyd. photo grade bgs c.l., works. | 100 lbs. | 7.50 | 8.05 |
| bgs., t.c.l., works | 100 lbs. | 7.89 | 8.45 |
| Tech., bgs., c.l., works | 100 lbs. | 7.25 | — |
| bgs., l.c.l., works | 100 lbs. | 7.60 | — |
| Sodium hyposulfite hexahydrate, pea. cryst. bgs., c.l., works | 100 lbs. | 5.15 | — |
| bgs. l.c.l. works | 100 lbs | 5.55 | — |
| photo grade bgs. c.l. works. | 100 lbs | 7.75 | — |
| bgs. l.c.l. works | 100 lbs | 8 05 | — |
| Sodium hyposulfite pentahydrate, tech., bgs. c.l., works. | 100 lbs. | 4.65 | 5.15 |
| bgs., l.c.l., works | 100 lbs. | 4.90 | 5.55 |
| Sodium iodide, USP, 300-lb. dm | lb. | 1.98 | — |
| Sodium lactate edible, 60%, chys., dms. works | lb | .26½ | — |
| Sodium lauryl sulfate, dms., c.l., dlvd | lb. | .19 | — |
| dms., t.c.l., dlvd | lb | .19½ | .20¾ |
| tanks, dlvd | lb. | .18 | — |
| Sodium metabisulfite (see Sodium bisulfite) | | | |
| Sodium metaborate octahydrate, gran., bgs., c.l. works | ton. | 92.00 | — |
| bgs., ton lots, ex whse | ton. | 150.00 | — |
| bgs., smaller lots, ex whse | ton. | 155.00 | — |
| Sodium metaborate tetrahydrate, bgs., c.l., works | ton. | 200.00 | — |
| bgs., ton lots, ex whse | ton. | 268.50 | — |
| bgs., smaller lots, ex whse | ton. | 273.50 | — |
| Sodium, metallic, bricks, c.l. works. | lb. | .19½ | — |
| Fused, 18,000-lb. lots or more, works | lb. | .19 | — |
| tanks, works | lb. | .17 | — |
| Sodium metanilate bbls. frt alld. | lb. | 63 | — |
| Sodium metasilicate anhyd., bgs., c.l., works | 100 lbs | 5.70 | — |
| bgs., 6,000-19,900 lb lots, works. | 100 lbs. | 6.05 | — |
| dms., c.l., works | 100 lbs. | 6.20 | — |
| dms., l.c.l., works | 100 lbs. | 6.55 | — |
| Sodium metasilicate pentahydrate, bgs. c.l. works | 100 lbs | 4.45 | — |
| bgs., t.c.l. works | 100 lbs. | 4.80 | 6.75 |
| dms., c.l., works | 100 lbs | 4.95 | — |
| dms., t.c.l. works | 100 lbs. | 5.30 | 7.25 |
| Sodium molybdate anhyd., dms., works. frt equald | lb. | .92 | .96 |
| Cryst., dms. works. frt alld | lb. | .73 | .74 |
| Sodium monoglutamate (see Monosodium glutamate) | | | |
| Sodium monohydrate (see Sodium carbonate monohydrated) | | | |
| Sodium naphthionate bbls | lb. | .70 | — |
| Sodium nitrate dom., crude, bgs., c.l. works | ton. | 48.75 | — |
| bulk, c.l., works | ton. | 45.25 | — |
| Sodium nitrate, imp., 100-lb. bags., c.l., Atl., Gulf, Pac., whse. | ton. | 49.75 | — |
| bulk, c.l., same basis | ton. | 46.25 | — |
| Sodium nitrite USP bbls., c.l., works, frt equald | 100 lbs. | 9.00 | — |
| bbls. t.c.l. same basis | 100 lbs. | 11.00 | — |
| Sodium orthosilicate conc., dms., c.l., works | 100 lbs | 6.70 | — |
| dms., t.c.l. works | 100 lbs | 7.05 | 7.65 |
| Sodium orthosilicate, hydrated, flake, bbls., c.l., works. | 100 lbs | 5.65 | — |
| bbls., t.c.l. works | 100 lbs. | 7.60 | 7.90 |
| Sodium oxalate, 98% bgs., works. | 100 lbs. | 12.33 | — |
| Sodium para-aminobenzoate (see Sodium p-aminobenzoate) | | | |
| Sodium para-aminosalicylate (see Sodium p-aminosalicylate) | | | |
| Sodium pentachlorophenate, briquets, bgs. c.l. works, frt. equald | lb. | .26 | — |
| bgs., t.c.l., same basis | lb. | .27½ | .34 |
| Pellets, bgs., c.l., same basis | lb. | .26 | — |
| bgs., t.c.l., same basis | lb. | .27½ | .34 |
| Sodium pentachlorophenate, powd., bgs., dms., c.l., same basis | lb. | .23 | — |
| bgs. dms. t.c.l. same basis | lb. | 26½ | .33 |
| Sodium pentachlorophenate, 20,000 lbs., min truckloads, ¼c per lb over carlot prices. | | | |
| Sodium pentobarbital, USP, dms., 100 lbs. or more | lb. | 6.00 | — |
| Sodium perborate, NF, tech., bgs., c.l., works | lb. | .19 | — |
| bgs., t.c.l., works | lb. | .21 | — |
| Sodium peroxide dms c.l., t.l., dlvd. E. of Miss | lb. | .20½ | — |
| dms. t.c.l. same basis | lb. | .21 | .21½ |
| Sodium phenobarbital, USP, 100-lb. dms | lb. | 3.75 | — |
| Sodium phenolsulfonate, USP IX, gran., dms | lb. | .50 | .51 |
| NF, powd., dms. | lb. | .53 | .54 |
| Sodium phosphate, dibasic, anhyd., bgs., c.l., frt. equald. | 100 lbs. | 7.95 | — |
| bgs., t.c.l., same basis | 100 lbs. | 8.35 | 9.40 |
| Dibasic, duohydrate, bgs., c.l., frt. equald | 100 lbs | 7.60 | — |
| bgs., t.c.l., same basis | 100 lbs. | 8.10 | — |
| Sodium phosphate, dibasic, USP, dried, powd., bgs., dms., works | lb. | .19 | .20½ |
| Sodium phosphate, monobasic, anhyd., bgs., c.l., frt. equald. | 100 lbs. | 9.00 | — |
| bgs., t.c.l., same basis | 100 lbs. | 9.40 | 10.00 |
| Sodium phosphate, tribasic, anhyd., bgs., c.l., frt. equald. | 100 lbs. | 9.05 | — |
| bgs., t.c.l. frt. equald. | 100 lbs. | 9 45 | 10.05 |
| Cryst., bgs., c.l., t.l., frt. equald. | 100 lbs. | 4.60 | — |
| bgs., t.c.l., frt. equald. | 100 lbs. | 5.00 | 5.75 |
| Sodium phosphate in dms., 60c to 80c higher than bgs | | | |
| Sodium prussiate, yellow (see Sodium ferrocyanide) | | | |
| Sodium pyrophosphate acid, bgs., c.l., works. frt equald. | 100 lbs. | 11.10 | — |
| bgs., t.c.l., same basis | 100 lbs. | 11.85 | 12.35 |
| Sodium pyrophosphate ferric, dms., c.l., t.l., works | lb. | .36 | — |
| dms. t.c.l. works | lb. | .37 | .39 |
| Sodium pyrophosphate tetrabasic, anhyd., bgs., c.l., works, frt equald | 100 lbs. | 7.81 | — |
| bgs., t.c.l., same basis | 100 lbs. | 9.21 | 9.71 |
| Sodium salicylate, USP, dms., 1,000-lbs. or more | lb. | .78½ | — |
| dms., less than 1,000 lbs., dms. | lb. | .81½ | — |
| Sodium sesquicarbonate, bgs., c.l., works | 100 lbs | 2.35 | — |
| bgs t.c.l. dlvd zone 1 | 100 lbs | 4.10 | 4.35 |
| dlvd. zone 2 | 100 lbs. | 4.35 | 4.60 |
| dlvd zone 3 | 100 lbs | 4.75 | 4.90 |
| dlvd Zone 4 | 100 lbs | 5.35 | 5.60 |
| Sales zones are: (1) Atl states E. of Miss., R and N of south bound of Ky and Va., Ala., La., and Miss. south of 31° Tex E of 100°; S of 31° Fla.; also Me. N H. and Vt., in which there are special county zones: Davenport, Ia., and St Louis; (2) Ark E of 98° Ga.; Iowa (except Davenport) Minn Mo. (except St Louis) Neb E of 98° N C., S C., Tenn and Tex N of 31 and E of 100° (except Wichita Falls); also Ala. La and Miss. No of 31°; (3) Ark W of 98° Kan., Neb W of 98° N D., Okla., S D. Tex W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo and El Paso Tex | | | |
| Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works | 100 lbs. | 5.70 | — |
| dms., c.l., t.l., works | 100 lbs. | 6.20 | — |
| hydrated, bgs., c.l., works | 100 lbs. | 5.00 | — |
| bgs., 6,000-19,900 lb. lots, works. | 100 lbs. | 5.35 | — |
| dms., c.l., works | 100 lbs. | 5.50 | — |
| dms., 6,000-19,900 lb lots, works. | 100 lbs. | 5.85 | — |
| Sodium silicate, liq., 40° Be, turbid, 1:3.2, dms., c.l., works. | 100 lbs | 1.55 | — |
| dms. t.c.l. works | 100 lbs | 1.90 | 2.40 |
| tanks works | 100 lbs | 1.20 | — |
| 47° Be, turbid, 1:2.9, dms., c.l., works | 100 lbs. | 2.25 | — |
| Sodium silicate, 47° Be, turbid, 1:2.9, dms., l.c.l., works | 100 lbs. | 2.60 | 3.45 |
| tanks. works | 100 lbs | 1.90 | — |
| 52° Be turbid 1:2.4, dms., c.l., works | 100 lbs | 2.65 | — |
| Sodium silicate, liq., dms., l.c.l., works | 100 lbs. | 3.00 | 3.50 |
| tanks. works | 100 lbs | 2.30 | — |
| Solid, 1:3.2, bgs. works | ton | 67.50 | — |
| Sodium silicofluoride bgs., c.s., works | lb | 065 | — |
| bgs. t.c.l. works | lb | 069 | — |
| Sodium silicofluoride in dms. 0.4c per lb higher | | | |
| Sodium stannate dms. works, frt alld. E | lb. | .608 | .663 |
| Sodium sulfa drugs (see Sulfa name). | | | |
| Sodium sulfaniliate bbls. works | lb | 22 | — |
| Sodium sulfate, NF VII, dried, powd. dms | lb | 22½ | — |
| Sodium sulfate, tech. anhyd., bgs., c.l., dlvd. E | ton. | 54.00 | — |
| detergent, rayon grade, bgs. c.l., works | ton. | 36.00 | — |
| bulk, c.l., works | ton. | 32.00 | — |
| USP, cryst. fib dms | lb | 17½ | 18 |
| gran. fib dms | lb | 17½ | 18 |
| Sodium sulfhydrate, flake, 70-72%, dms., c.l. works frt equald. | lb. | .07¼ | — |
| dms., t.c.l., same basis | lb. | .08¼ | — |
| Liq. 40-44% tanks works, 100% basis | ton. | 130.00 | — |
| Sodium sulfide, flake, dms., c.l., works. E. frt equald | lb. | .06 | — |
| dms., l.c.l., same basis | lb. | .07 | — |


**Here's why WEST END can answer your inquiry on shipments immediately!**



When you phone an order or request information, the Sales Office Manager in Oakland with whom you speak can contact the plant at WEST END immediately.

He talks by private wire teletype with the shipping superintendent on dates, packaging, transport facilities, car numbers. An answer or firm commitment is given immediately. It is relayed to you often while you are still on the phone.

WEST END's Sales Office Manager sales representatives and plant executives work together as a team manning a system that is, in our opinion, uniquely outstanding in the chemical industry. Their confidence in the efficiency of this system is reflected in the enthusiastic, helpful and friendly manner in which they promptly serve you . . . our customers.

**WEST END CHEMICAL COMPANY**
DIVISION OF STAUFFER CHEMICAL COMPANY
1934 WEBSTER, OAKLAND 12, CALIF. • PLANT, WESTEND, CALIF.

SODA ASH
SODIUM SULFATE
BORAX • HYDRATED LIME

## Sodium Sulfide—Sulfadiazine

Sodium sulfide, fused, bbls., cs., works, E., frt. equald lb. .05½- —
bbls., l.c.l., same basis lb. .06½- —
Sodium sulfite, anhyd., bgs., c.l. works 100 lbs 7.55 - —
bgs. l.c.l. same basis 100 lbs 7.95 - —
Tech. bgs. c.l., works 100 lbs 3.50 - —
bgs. l.l. same basis 100 lbs 4.00 - —
Sodium sulfocyanide, CP (see Sodium thiocyanate)
Sodium tetraborate (see Borax)
Sodium tetrasulfide, liq., 40% dms., c.l. works, frt. equald lb. .04½- —
dms., l.c.l., same basis lb. .05½- —
Sodium thiocyanate, CP, dms. lb. .55 - .65
Tech. anhyd., dms., 1 ton lots or more works lb. .317 - —
dms., less than ton lots, works lb .337 - —
Sodium thiosulfate, NF, cryst., bbls. lb. .13½- —
Sodium thiosulfate, tech. (see Sodium hyposulfite).
Sodium titanate, ctns., c.l., works. lb. .14¼- —
ctns., 5-ton lots, works lb. .14½- —
ctns., 1-ton or less, works lb. .14¾- —
Sodium trichloroacetate, 90%, 100-lb dms., c.l., frt. alld E. lb. .37½- —
100-lb. dms., l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld. E lb. .38 - —
50-lb dms., l.c.l., frt. adjusted, E lb. .40 - —

Sodium trichloroacetate, 90%, 10-lb. cns., c.l., frt. alld. E lb. .44 - —
10-lb. cns., l.c.l., frt. adjusted, E lb. .46 - —

Prices on Sodium trichloroacetate W of the Rockies are 1¾c. per pound higher.

Sodium tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.16 - —
bgs., l.c.l., same basis 100 lbs. 8.56 - 9.06
Sodium trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.93 - —
bgs., l.c.l., works 100 lbs 9.70 -10.10
dms. c.l., works 100 lbs. 9.45 —
dms. l.c.l. works 100 lbs.10.20 -10.60
Sodium tungstate, tech., kgs., dlvd. E lb. 1.18 Nom.
Sodium-ammonium phosphate, purit., cryst., dms., works lb .52 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
dms., l.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb. lots or more works lb. .28 - —
fib. dms., smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, frt equald gal. .31 - .35
Solvent naphtha, petroleum, aromatic 312°-365°F b.r., 17.2°C. m.a.p. tanks, New Jersey gal. .345 - —
315°-350°F b.r. 17.2°C. m.a.p., tanks, Texas City gal. .35 - —

Solvent naphtha, petroleum, aromatic, 342°-351°F. b.r., 15°C. ma.p., tanks, Baytown, Texas gal. .32 - —
324°-349°F. b.r., 19°C. m.a.p., tanks, Houston gal. .33 - —
334°-392°F. b.r., 19°c. m.a.p., tanks, Philadelphia gal. .25 - —
365°-404°F b.r. 19°C. m.a.p., tanks, New Jersey gal. .43 - —
367°-421°F b.r. 20°C. m.a.p., tanks, Baytown, Texas.gal. .32 - —
Solvent naphtha, petroleum, partial aromatic, 205°-282°F b.r., 38°C. m.a.p. tanks, New Jersey gal. .24 - —
211°-277°F. b.r. 25.6°C. m.a.p., tanks, New York, New Jersey gal. .28 - —
212°-293°F. b.r., 38°C. m.a.p., tanks, Philadelphia gal. .24 - —
224°-280°F b.r., 43°C. m.a.p., tanks, Houston gal. .215 - —
266°-374°F b.r. 28°C. m.a.p., tanks, Philadelphia gal. .27 - —
282°-325°F. b.r., 41.6°C. m.a.p. tanks, Houston gal. .25 - —
284°-383°F. b.r., 35°C m.a.p., tanks, Philadelphia gal. .27 - —
352°-413°F b.r. 36°C m.a.p., tanks, Houston gal. .33 - —
358°-401°F. b r., 24.4°C. m.a.p., tanks, New Jersey gal. .38 - —
Sorbitan monostearate, fib dms., 20,000-lb lots, works lb. .32 - —
fib dms., 10,000 to 20,000-lb lots, works lb. .34 - —
fib. dms., smaller lots, works lb. .37 - .39
Sorbitan tristearate, fib dms., 20,000-lb lots, works lb. .33 - —
fib. dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .38 - .40

Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .23 - —
dms., 1 to 5-ton lots, works. lb. .25 - .26
Powd., dms., c.l., works lb. .36 - —
dms., 1 to 5-ton lots, works. lb. .38 - .39
Sorbitol, soln., coml., aqueous, dms., c.l., works lb. .24¼- —
dms., ton lots, works lb. .25 - —
dms., smaller lots, works.lb. .25¼- —
tanks, works lb. .23¼- —
NF, reg., 70% aqueous, dms., c.l., works lb. .16 - —
dms., ton lots, works lb. .16¾- —
dms., smaller lots works.lb. .17 - —
tanks, works lb. .15 - —
Soya protein, chemically isolated, old process, bgs., c.l., works. lb. .23 - —
bgs., l.c.l., works lb. .23½- —
Chemically isolated, new process, bgs., c.l., works lb. .19 - —
bgs., l.c.l., works lb. .19½- —
Soybean meal, 44% bulk, Decatur. ton.58.50 - —
Soybean oil, crude, tanks, Decatur. lb. .10¼- —
Foots, soapstock, acid 95%, tanks, N. Y. lb. .05¾- —
Refd., alkali, dms. lb. .1490- .1525
tanks lb. .1290- —
clarified, dms. lb. .1440- .1475
tanks lb. .1240- —
salad, dms. lb. .15 - .15½
tanks lb. .13 - —
Soybean oil acids, dbl. dist., dms. lb. .19 .21½
tanks lb. .16½- —
Single-distilled, dms. lb. .17¾- .20¼
tanks lb. .15¼- —
Soybean pitch, dms., works lb .05 .05¼
Sparteine sulfate, cns. oz 80 .90
Spearmint leaves, dom., bls lb. 75 - —
Spearmint oil, NF, dms. lb. 3.65 - 5.05
Sperm oil, bleached, winter, 45°, dms lb. .1725- .1750
tanks lb. .1550- —
Nat., winter, 45°, dms lb. .1625- .1650
tanks lb. .1450- —
Spermaceti wax, blocks, cs lb. .31 .34
Cakes, cs lb. .32 .34
Spruce extract, liq., reg tanks, works lb. .01¾- —
Powd., super, bgs., c.l., works. lb. .05¼- —
bgs., l.c.l., works lb .05½- —
Spruce oil, cns., dms. lb. 2.10 - 3.55
Squill, white, bls. lb. .16 .18
White, powd. bbls., bxs. lb. .17 - .20
St. John's bread, edible, bls lb. .14 - .16
Stannic chloride, anhyd., dms., works lb. .767 - .777
Stannic oxide, dms., dlvd lb. 1.02 - 1.03
Stannous chloride anhyd., dms., works lb. .965 - 1.459
Stannous chloride, hydrous, cryst., dms., works lb. .83½- .84½
Stannous sulfate, dms., works lb. 1.021 - 1.041
Starch, corn pearl paper bgs., c.l. 100 lbs. 7.38 - —
paper bgs., l.c.l. 100 lbs. 7.53 - —
Powd., paper bgs, c.l. 100 lbs. 7.50 - —
paper bgs., l.c.l. 100 lbs. 7.65 - —
Prices for corn starch in cotton bags, 15c. per 100 lbs. higher.
Starch, potato, dom., Idaho, bgs., c.l., works lb. .0635- —
Maine, bgs., c.l., works lb. .06½- —
bgs., l.c.l., ex whse, New York. lb. .08¾- .10
Starch, rice, bgs., ex whse lb. .14 .15
Starch, wheat, bgs. lb. .06½- .09
Star root (see Helonias root).
Stargrass root (see Aletris root).
Stavesacre seed, bgs lb. .60 .61
Stearic acid, dbl. pressed, bgs. lb. .16 - .18¼
Single-pressed, bgs. lb. .15½- .18
Triple-pressed, bgs. lb. .18¼- .20¾
Stearine, oleo (see Oleostearine)
Stoddard solvent, petroleum tanks, east coast, New Jersey, New York c.l. .18 - —
tanks, western Pennsylvania, gal. .16 —
tanks, group 3 gal. .13375- —
Stoddard solvent, petroleum, tank-wagon, Boston gal. .20 - —
Chicago gal. .299 - —
Cleveland gal. .23½- —
Los Angeles, ex tax gal. .199 - —
Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½- —
Pittsburgh gal. .19 - —
Stramonium leaves, bgs. lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .0850- .0875
Streptomycin sulfate, bulk gram. .0850- .0875
Strontium bromide, NF, cryst., 150-lb. fib. dms lb. .84 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works. lb. .35 - —
dms., 1-ton lots, works lb. .37 - —
Tech., dms., works lb .19 - —
Strontium chromate, fib. dms., works. lb. .49 - —
Strontium iodide, jars, 25-lb. lots. lb. 3.57 - —
Strontium nitrate, bgs., c.l., works. 100 lbs.11.00 - —
bgs., l.c.l., works 100 lbs.12.00 - —
Strontium salicylate, NF, dms lb 1.88 - —
Strontium sulfate, air floated, 90% 325 mesh, bgs., works ton 58.70 -66.15
Strophanthin G (see Ouabain, USP).
Strophanthin K, bots oz.25.00 -25.50
Strophanthus seed, Kombi, biologically tested, bgs lb 3.50 3.75
Styrax, USP, cs. lb. 2.30 - 2.75
Styrene monomer, polymer grade, 99.6% dms., c.l., frt. alld. lb. .17 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .14½- —
Styrene monomer, tech., 99.2%, tanks, bulk lb. .1260- —
dms., c.l., t.l., same basis lb. .1510- —
dms., l.c.l., same basis lb. .1710- —
Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index.
Styroly) acetate, bots lb. 1.25 - 1.45
Succinic acid, purif., cryst., bbls., works lb. .62 - .75
Sucrose, refd., white, bgs., refy. E. lb. .0885- —
Sucrose octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works lb. .84 - —
Sugar (see Sucrose).
Sugar cane wax, dom., refd., slabs, 80-lb. ctns., works lb. .65 - .75
80-lb. ctns., spot lb. .67¼- 72¼
Sulfabenzamide, dms kilo. 8.80 9.90
Sulfabenzamide-sodium, dms kilo 9.00 -10.10
Sulfacetamide, USP, fib. dms kilo. 7.70 - 8.80
Sulfacetamide-sodium, USP, fib. dms kilo. 8.15 - 9.25
Sulfadiazine, USP, microcrystals, dms kilo.23.35 -24.45
USP, powd., dms kilo.22.60 -23.70


TC TENNESSEE CORPORATION

**COPPER**

**COPPER SULFATE**
Industrial Crystals and all common grades.

**MONOHYDRATED COPPER SULFATE**
35% Copper as metallic packaged in steel drums at no extra cost.

**COPPER CARBONATE**
55% Copper as metallic. Light and dense grades.

**CUPRIC CHLORIDE**
37% Copper as metallic. Available in polethylene-lined drums or bags.

**CUPRIC OXIDE**
Minimum 76% Copper as metallic. Technical grade . . . NOT A BY-PRODUCT.

**SULFUR**

**SULFURIC ACID**
Various strengths and grades 60° through the Oleums. Available in tank cars or tonnages.

**LIQUID SULFUR DIOXIDE**
Highest commercial quality, available in tank cars, tank wagons, ton cylinders and 150-lb. cylinders.

**CHLOROSULFONIC ACID**
Iron less than 1.0 ppm as loaded. Water white. Delivered in glass-lined tank wagons, also in stainless steel drums.

**SODIUM HYDROSULFITE**
T-C HYDRO is a dry, white, free flowing, crystalline powder of uniform particle size and structure. It is dust free, assuring highest stability and uniformity.

**PARA TOLUENE SULFONIC ACID, ANHYDROUS**
Other organic Sulfonic Acids.

**IRON**

**FERRIC IRON SULFATE**
Partially hydrated, free flowing granular form. Available in bags or bulk.

**ZINC**

**MONOHYDRATED ZINC SULFATE**
36% Zinc as metallic. White, free flowing powder.

**ZINC OXIDE**
Secondary Zinc Oxide.

**MANGANESE**

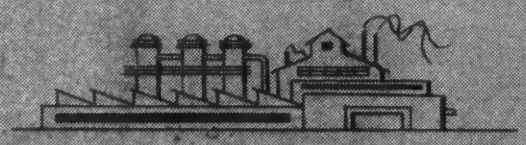
**MANGANESE SULFATE**
Designed specifically for inclusion in mixed fertilizer.

**MONOHYDRATED MANGANESE SULFATE**
93% Mn, $SO_4$, $H_2O$. Highest purity, technical grade . . . NOT A BY-PRODUCT.

**MANGANOUS OXIDE**
Minimum 48% Manganese as metallic. Feeds, fertilizers, spray or dust grades.

INDUSTRIAL CHEMICALS

We mine Copper, Sulfur, Iron and Zinc and are basic producers of their chemical derivatives. Our technical know-how and basic position in these minerals is your assurance of exacting quality control, strict uniform consistency and a plentiful supply.



TENNESSEE TC CORPORATION
617 Grant Building, Atlanta, Georgia

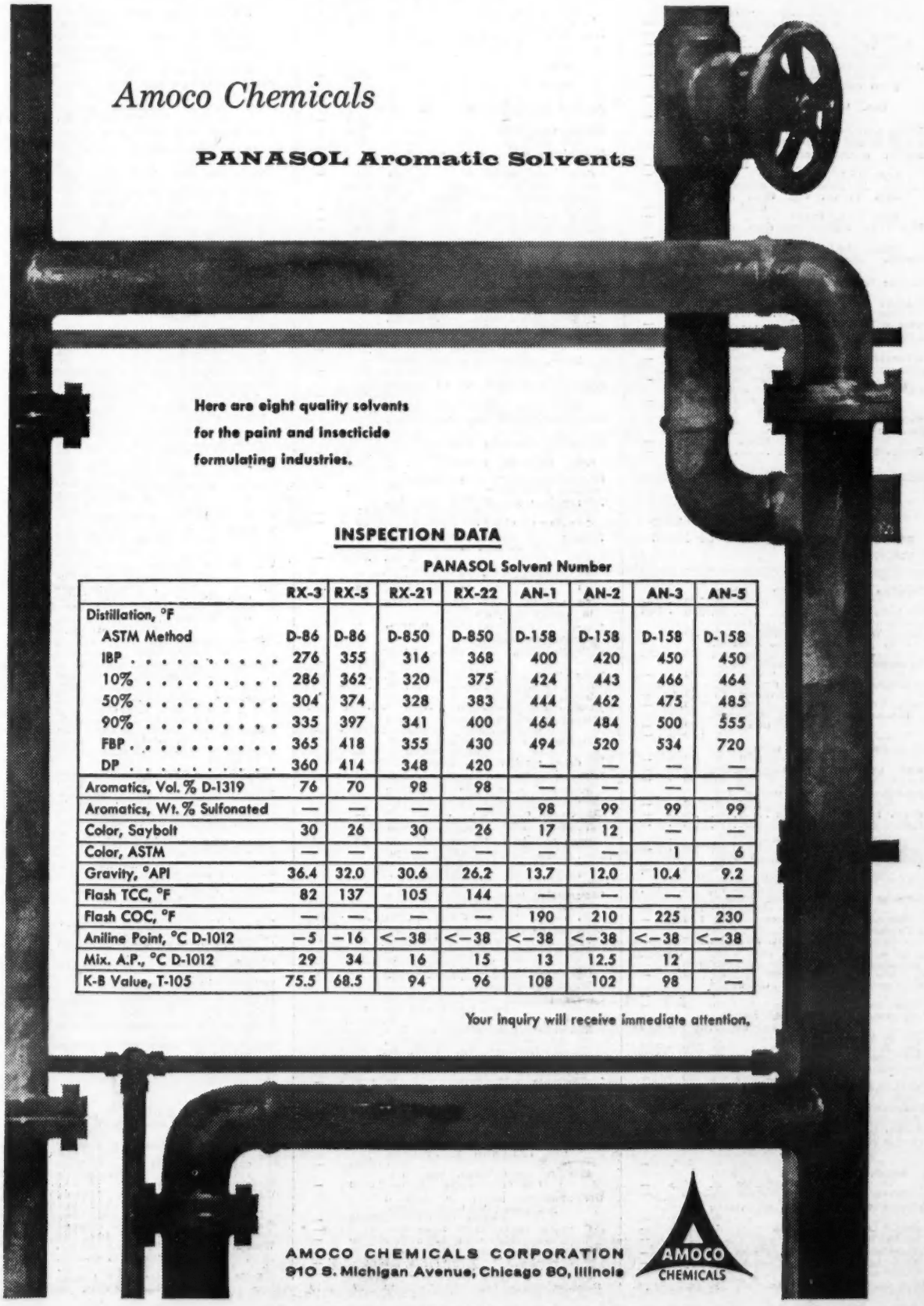
Samples, specifications and detailed information upon request.

Sulfadiazine-sodium, USP, dms. kilo 24.80 - 25.90
Sulfaguanidine, NF X, dms. kilo 5.50 - 6.60
Sulfamerazine, USP, microcrystals, dms kilo 23.50 - 24.60
Sulfamerazine-sodium, USP, powd., dms kilo 24.80 - 25.90
Sulfamethazine, microcrystals, USP XV, dms kilo 19.65 - 20.75
Powd., dms kilo 18.75 - 19.85
Sulfamic acid, cryst., dms., c.l., t.l., works 100 lbs. 16.00 - —
dms., l.c.l., t.l. works 100 lbs. 17.50 - 18.50
100 lbs. or more lb. 6.00 - —
gran., dms., c.l., t.l., works, 100 lbs. 14.75 - —
dms., l.c.l., t.l., works 100 lbs. 16.25 - 17.25
Sulfanilamide, NF X, 30-80 mesh, dms kilo 3.05 - 3.50
NF X, microcrystals, dms kilo 3.79 - 4.20
NF X, powd., dms kilo 2.85 - 3.30
Sulfanilamide quinoxaline, veterinary, dms kilo 14.12 - 14.85
Sulfanilic acid, tech., dms., c.l., frt. alld lb. .21 - —
dms., l.c.l., frt. alld lb. .23 - —
Sulfapyridine, USP XV, powd., bots., tins kilo 15.45 - 16.55
Sulfapyridine-sodium, monohydrate, dms kilo 16.55 - 17.65
Sulfathiazole, NF X, powd., dms. kilo 5.50 - 5.85
microcrystals, dms. kilo. 6.25 - 6.60
Sulfathiazole-sodium, NF X, dms. kilo 6.05 - 6.40
Sulfur, comi., flour, bgs., mines, 100 lbs. 2.45 - —
bbls., mines 100 lbs. 3.30 - —
lump, bgs., mines 100 lbs. 2.35 - —
bbls., mines 100 lbs. 2.90 - —
crude, dom., bright, bulk, f.o.b. cars, mines, long-ton. 23.50 - —
Export, f.o.b. vessels Gulf ports long-ton. 25.00 - —
US and Canada, f.o.b. vessels Gulf ports, long-ton. 25.00 - —
Domestic dark sulfur prices are $1 per long-ton lower.
Sulfur, crude, bulk, imp., Mexican, filtered f.o.b. vessel, Coatzacoalcos long-ton. 24.00 - —
Mexican dark sulfur price is $1 per long ton lower
Sulfur, refd. flowers, NF, bgs., mines 100 lbs. 5.15 - —
bbls., mines 100 lbs. 6.50 - —
flour, light, bgs., mines 100 lbs. 4.75 - —
bbls., mines 100 lbs. 5.75 - —
lump bgs., mines 100 lbs. 4.45 - —
rolls, bgs., mines 100 lbs. 5.00 - —
bbls., mines 100 lbs. 5.75 - —
salt block, bgs., mines 100 lbs. 4.65 - —
virgin block, bbls., mines, 100 lbs. 4.70 - —
Sulfur, rubbermakers comi., reg., bgs., mines 100 lbs. 2.55 - —
bbls., mines 100 lbs 3.80 - —
Sulfur, rubbermakers, 98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.65 - —
bbls., mines 100 lbs. 3.90 - —
Sulfur, rubbermakers, refd., bgs., mines 100 lbs. 4.40 - —
bbls., mines 100 lbs. 5.55 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 4.10 - —
Sulfur dichloride, ret. dms., c.l., works, frt. equald lb. .04½- —
ret. dms., l.c.l., same basis lb. .05¼- —
tanks, same basis lb. .04 - —
Sulfur dioxide, liq., comi., cyls., works, frt. equald lb. .10 - .13
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
Refrigeration, 150-lb. cyls., dlvd. lb. .33 - —
Sulfur monochloride, 55-gal. non-ret, dms., c.l., frt equald lb. .04½- —
dms., l.c.l., same basis lb. .05¼- —
tanks, same basis lb. .04 - —
Sulfuric acid, 60° Be, cbys., c.l., works 100 lbs 2.00 - —
cbys., l.c.l., works 100 lbs. 2.30 - —
tanks, works ton. 18.60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
cbys., l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton. 22.35 - —
98%, tanks, works ton. 23.50 - —
99-100% tanks, works ton. 23.95 - —
Sulfuric acid, CP, NF, consumers' cbys, c.l. frt. equald lb. .12¾- —
consumers' cbys., l.c.l., same basis lb. .14¼- .14¾
5-pt. bots. extra, cs., c.l., works, frt. alld lb. .16¼- —
5-pt. bots. extra, cs., l.c.l., same basis lb. .17¾- .18¼
Sulfuric acid, fuming (oleum), 20%, tanks, works ton. 25.00 - —
40%, tanks, works ton. 29.00 - —
65%, tanks, works ton. 39.50 - —
Sumac leaves, 28% tannin, bgs. ex dock ton. 205.00 Nom.
28% tannin, grd., bgs., ex dock ton. 200.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk., c.l., Baltimore unit-ton. .90 - .93
bulk, c.l. Carteret, N. J. unit-ton. .90 - .93
Superphosphate, triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla unit-ton. .98 - —
Sweet birch oil, USP, northern, cns lb 4.25 - 9.50
USP, southern, cns lb. 2.10 - 3.05

## T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 - —
dms., l.c.l., same basis lb. 1.25 - —
2,4,5-T isopropyl ester, dms., c.l., works, frt. equald lb. 1.24 - —
dms., l.c.l., works lb. 1.29 - —
Talc, dom., fibrous, New York, grd., bgs., c.l., works ton. 28.00 - —
bgs., l.c.l., works ton. 31.00 - 36.00
Dom., fibrous, New York, 99.5%, 325 mesh, bgs. c.l. works ton. 31.00 - —
bgs., l.c.l., works ton. 34.00 - —
99.95% micronized, bgs., works ton. 38.00 - —
Dom., ord., Calif., grad., bgs., c.l., works ton. 34.00 - 39.50
ord., Vermont, off-color, grd., bgs., c.l., works ton. 19.40 - —
bgs., l.c.l., works ton. 37.00 - —
Imp., Canadian, grd., bgs., c.l., mines ton. 20.00 - 25.00
Tall oil, crude, dms., c.l., works lb. .04¼- .04½
tanks, works lb. .02¾- .03
Dist., dms., c.l., works lb. .07¾- —
dms., l.c.l., works lb. .08 - .08½
tanks, works lb. .06 - .06½
Refd., dms., c.l., works lb. .06¾- —
dms., l.c.l., works lb. .07 - .07½
tanks, works lb. 05½- .06
Tall oil acids, dms., c.l., works lb. .10½- .12
dms., l.c.l. lb. .11 - .12½
tanks, works lb. .08½- .10
Tall pitch, dms., c.l., works ton. 50.00 - 70.00
tanks, works ton. 40.00 - —

Tallow, edible, tanks, dlvd. lb. .11½- .11¾
inedible, fancy, bleachable, tanks, dlvd lb. .08¼- .08¾
fancy, guaranteed, dms., f.a.s. lb. .0614- —
No. 1, tanks, dlvd. lb. .07½- .07⅝
prime, tanks, dlvd. lb. .06 - .06¼
special, tanks, dlvd. lb. .07¾- .07⅞
sulfonated, 25%, bbls., l.c.l. lb. .08¾- .09¼
50%, bbls., l.c.l. lb. .10 - .10½
Tallow acids, dist., dms. lb. .13½- .16
tanks lb. .11 - —
Hydrogenated, dms. lb. .15½- .18
Tallow oil, acidless, dms., c.l. lb. .14½- —
dms., l.c.l. lb. 15½- 17
Tangerine oil, Floridian, dms. lb. 2.95 - 3.50
Tankage, animal, feeding, 9-11% ammonia, New York, bulk, unit-ton. 6.50 - —
Animal, feeding, 9-11% ammonia, Chicago, bulk, unit-ton. 7.25 - —
Tannic acid, NF, fluffy, bbls., 1,000-lb lots lb 2.05 —
bbls., smaller lots lb 2.06 2.10
Powd., bbls., 1,000-lb. lots lb. 1.95 - —
bbls., smaller lots lb 1.96 2.01
Tech., dms. lb 1.05 —
Tansy oil, dms. lb. 7.50 9.50
Tapioca flour, Brazilian, bgs., ex whse lb. .10½- .11½
Siamese, first quality, same basis, lb. .07 - .07½
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .53½- —
dms., l.c.l., same basis gal. .55½- —
tanks, same basis gal. .43½- —
Tar acid oil, 25-28%, dms., c.l., same basis gal. .60 - —
dms., l.c.l., same basis gal. .62 - —
tanks, same basis gal. .50 - —
50-53% dms., c.l., same basis gal. .75 - —
dms., l.c.l., same basis gal. .77 - —
tanks, same basis gal. .65 - —
Tar, coal (see Coaltar).
Tartar emetic (see Antimony potassium tartrate)
Tartaric acid, dom., NF, 230 or 250-lb dms., c.l lb. .49 - —
230 or 250-lb. dms., 10,000-lb. lots, 1 shipt lb. 49½- —
230 or 250 lb. dms., smaller lots lb. .50 - —
100-lb dms lb. 51 —
Imp., NF, dms., bgs. lb. .40 - .44
Terpine hydrate, NF, cryst., powd., 100-lb fib. dms lb. 70 -
Terpineol, prime, dms. lb. .30 - .45
Extra, dms. lb. .41 - .70
Terpinyl acetate, extra, cns., dms. lb. .64 - .75
Prime, dms. lb. .53 - .56
Terpinyl propionate, dms. lb 1.75 3.00
Terra alba (see Gypsum).
Testosterone, USP, bots. gram. No prices
Testosterone, proprionate, USP gram. No prices
Tetrachloroethane, dms., works lb .14½ —
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Tetrachloroethylene, tech. (see Perchloroethylene).
Tetrachloroethylene, USP, 55-gal. dms. c.l., t.l., works lb. .20½- —
dms., l.c.l., works lb. .22 .23½
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .60 - —
dms., l.c.l., dlvd. E lb. .61 - —
Tetraethyl pyrophosphate, 40%, cns. dms. frt equald lb. 75 —
Tetraethylenepentamine, dms., c.l., dlvd E lb. .53½ —
dms., l.c.l., dlvd E lb. .54½ —
tanks dlvd E lb 51 —
Tetrahydrofuran, dms. c.l., t.l., works lb 36½ —
dms. l.c.l. or t.t.l., works lb 37 —
tanks works lb 35 —
Tetrahydrofurfuryl alcohol, dms., c.l. t.l. Memphis, Tenn. lb 34½ —
dms. l.c.l. t.t.l. Memphis, Tenn. lb 35½ —
dms. c.l. t.l., Newark, N. J lb 36½ —
dms., l.c.l., t.t.l., Newark, N. J lb. .37½- —
tanks dlvd E. of Denver lb 34 —
tanks, dlvd W of Denver lb 35 —
Tetrapotassium phosphate (see potassium phosphate)
Thainum metal, dlvd. lb 7.50 10.00
Thallium sulfate, 99% bots., dlvd. lb. 5.00 10.00
Theobromine, NF, fib dms lb 4.50 —
Theobromine and sodium acetate, USP, fib dms lb. 4.75 - —
Theobromine sodio-salicylate, NF, fib dms lb 3.90 - —
Theophylline, anhyd. or USP, 100-lb dms lb 3.65 - —
Thiamin hydrochloride, USP, reg., fib dms kilo. 40.00 - —
USP, ampule grade, fib. dms. kilo. 42.00 - —



Amoco Chemicals
PANASOL Aromatic Solvents
Here are eight quality solvents
for the paint and insecticide
formulating industries.
INSPECTION DATA
PANASOL Solvent Number
RX-3 RX-5 RX-21 RX-22 AN-1 AN-2 AN-3 AN-5
Distillation, °F
ASTM Method D-86 D-86 D-850 D-850 D-158 D-158 D-158 D-158
IBP 276 355 316 368 400 420 450 450
10% 286 362 320 375 424 443 466 464
50% 304 374 328 383 444 462 475 485
90% 335 397 341 400 464 484 500 555
FBP 365 418 355 430 494 520 534 720
DP 360 414 348 420 — — — —
Aromatics, Vol. % D-1319 76 70 98 98 — — — —
Aromatics, Wt. % Sulfonated — — — — 98 99 99 99
Color, Saybolt 30 26 30 26 17 12 — —
Color, ASTM — — — — — — 1 6
Gravity, °API 36.4 32.0 30.6 26.2 13.7 12.0 10.4 9.2
Flash TCC, °F 82 137 105 144 — — — —
Flash COC, °F — — — — 190 210 225 230
Aniline Point, °C D-1012 −5 −16 <−38 <−38 <−38 <−38 <−38 <−38
Mix. A.P., °C D-1012 29 34 16 15 13 12.5 12 —
K-B Value, T-105 75.5 68.5 94 96 108 102 98 —
Your inquiry will receive immediate attention.
AMOCO CHEMICALS CORPORATION
910 S. Michigan Avenue, Chicago 80, Illinois
AMOCO CHEMICALS

Thiamin mononitrate, USP, fib. dms kilo.40.00 - —
Thiocarbanilide, dms., ton lots lb. .72 - —
dms., less ton lots lb. .74 - —
Thiodiphenylamine (see Phenothiazine).
Thioflavin green toner, brilliant, molybdated, PMA, kgs., works lb. 5.20 - —
Tungstated, PTMA, kgs., works. lb. 6.20 - —
Thioglycolic acid, refd, cbys., 100% basis lb. 1.35 - 1.55
Thiosalicylic acid, purif., dms., 1,000-lb. lots, works lb. 4.00 - —
Thiourea, tech, bgs, t.l. frt. alld. lb. .33 - —
bgs., l.c.l., frt. alld lb. .35 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb 3.50 - —
dl-Threonine, bots., 1-kilo lots.kilo.275.00 - —
Thyme leaves, French, bgs lb. .34 - —
Spanish, bgs lb. .14 - —
Thyme oil, NF, red, cns., dms. lb. 2.10 - —
white, cns lb. 2.20 - —
Tech., white, cns lb. .40 - 1.85
Thymol, fib, dms lb. 2.60 - 3.00
Thymol iodide NF, dms. lb. 7.30 - —
Timbo root, (see Cube root).
Tin chloride (see Stannous chloride, anhyd.)
Tin crystals (see Stannous chloride, hydrous).
Tin metal (Straits) lb. .85 - —
Tin oxide (see Stannic oxide).
Tin sulfate (see Stannous sulfate).
Tin tetrachloride anhyd. (see Stannic chloride anhyd.)
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd. lb. .23½- —
bgs., l.c.l., dlvd lb. .26½- —
reg., bgs., c.l., dlvd lb. .25½- —
bgs., l.c.l., dlvd lb. .26½- —
Anatase, granular, nat., bgs., c.l., f.o.b. Jacksonville, Fla.ton.180.00 - —
5-ton lots, Niagara Falls, N.Y. ton.205.00 - —
bgs., ton lots, same basis. ton.215.00 - —
Milled metallurgical titanium dioxide $7.50 per ton higher.
Rutile, non-chalking, bgs., c.l., dlvd. E. lb. .27½- —
bgs., l.c.l., dlvd. E lb. .33½- —
Titanium dioxide-calcium pigment, 30% Ti $O_2$, reg. bgs., c.l., dlvd lb. .09¾- —
bgs., l.c.l., works lb. .09½- —
80% Ti $O_2$, high-tinting, dms., c.l., lb. .14¾- —
dms., l.c.l. lb. .14½- —
Titanium hydride, powd., dms., works lb. 8.10 - 9.00
Titanium tetrachloride, tech., dms., c.l., works lb. .26 - —
dms., l.c.l., works lb. .27½- .29
tanks, works lb. .20 - —
Tobias acid, bbls., l.c.l. lb. .81 - —
d-a-Tocopherols, mixed, NF, conc., pure basis, bots. kilo.91.00 - —
dl-a-Tocopherol, bots kilo.134.20 - —
d-a-Tocopheryl acetate, NF, conc., pure basis, bots kilo.166.00 - —
d-a-Tocopheryl acid succinate, cryst. bots kilo.148.00 - —
dl-a-Tocopheryl acetate, bots kilo.122.00 - —
25% dry, powd., bots kilo.30.50 -32.00
o-Tolidine base, dry, kgs., 100% basis lb. 1.55 - —
Paste, kgs., 100% basis lb. 1.50 - —

### Toluol

Toluol quotations, both coaltar and petroleum, may now be found under Toluene.

o-Tolidine hydrochloride, paste, kgs., 100% basis lb. 1.50 - —
Tolu balsam, cns. lb. 3.10 - 4.00
Toluene coaltar indust. or nitration, tanks, dlvd. E. of Rockies gal. .25 - —
Toluene, petroleum, indust., tanks, E. of Rockies gal. .25 - .32
p-Toluenesulfonamide, powd., dms., works lb. .70 - —
p-Toluenesulfonic acid, dms., c.l., t.l., works lb. .17 - —
dms., l.c.l., works lb. .18 - —
p-Toluenesulfonic acid, monohydrate, dms., c.l., or t.l lb. .90 - —
dms., 125 lbs. to t.l lb. 1.00 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
dms., l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld. lb. .27 - —
dms., l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25 - —
p-Toluidine, flake, dms, frt. alld lb. .54 - —
Solid, dms., frt. alld lb. .50 - —
o-Toluidine-m-sulfonic acid, frt. alld. lb. .70 - —
p-Toluidine-m-sulfonic acid, bbls., works lb. .92 - 1.04
Toluidine red toner, deep shades, kgs., works lb. 1.70 - —
Light shades, kgs, works lb 1.70 - —
2,4-Tolylenediamine, cryst., fib. dms., l.c.l., frt. alld. lb. 1.10 - —
Tonka beans, Angostura, cks lb. No prices
Brazilian, Surinam, cs lb 1.35 - —
Totaquine 100-oz. tots, cns oz. .42 - —
Toxaphene, dms., c.l. t.l., works lb. .22 - —
dms., l.c.l. t.l. works lb. .29 - —
Tragacanth gum, No. 1, ribbons, - cs. lb. 3.50 - 4.50
No. 2, cs. lb. 3.40 - —
No. 3, cs lb. 3.00 - 3.10
USP powd., bbls. lb. 1.25 - 1.38
Triacetin, dms, c.l., dlvd. E. of Rockies lb. .39 - —
dms., l.c.l., same basis lb. .40 - —
tanks, same basis lb. .37 - —
Triallylamine, dms., c.l., dlvd. lb. .985 - —
dms., l.c.l., dlvd lb. .995 - —
tanks, dlvd. lb. .96 - —
Tributyl citrate, tech., non-ret. dms., c.l. frt alld E of Denver lb. .42½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .43½- —
tanks, frt. alld. E of Denver lb. .40 - —
Tributyl phosphate dms. c.l., works lb. .52½- —
dms., l.c.l., same basis lb. .53½- —
tanks, same basis lb. .50 - —
Tributylamine, dms., c.l. works lb. .67½- —
dms., l.c.l., same basis lb. .68½- —
tanks same basis lb. 65 - —
Trichloroacetic acid, bots lb 2.00 2.50
Trichlorobenzene, dms, c.l., frt. alld. E lb. .15 - —
dms., l.c.l. frt. alld E lb. .16 - —
tanks, frt. alld E lb. .13¼- —
Trichlorobenzene prices in the West 1¾c higher.
1,1,1-Trichloroethane, dms., c.l., dlvd. lb. .13¾- —
dms., l.c.l., dlvd. lb. .16¾- —
tanks, dlvd. lb. .12¾- —
1,1,2-Trichloroethane, dms., c.l., works lb. .13½- —
dms., l.c.l., dlvd. E lb. .14¼- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .13 - —
dms., l.c.l., frt. alld lb. .15 - .16¾
tanks, works, frt equald lb 12 - —
Trichlorophenoxyacetic acid (see 2,4,5-T).
Trichotine citrate 65% soln ret cbys, works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .33 - —
dms., l.c.l., dlvd lb. .36 - —
tanks, dlvd lb. .32½- —
Petroleum, dms., c.l., dlvd. lb. .34½- —
dms., l.c.l., dlvd lb. .35½ —
tanks, dlvd lb. .32½- —
Tridecyl alcohol, mixed isomers, dms., dlvd lb. .36½ —
dms., l.c.l., dlvd lb. .37½- —
Triethanolamine, dms., c.l., dlvd, E. lb. .24½- —
dms., l.c.l., same basis lb. .25½- —
tanks, same basis lb. .22 - —
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld. lb. .24 - —
dms., l.t.l., frt. alld lb. .25 - —
tanks, frt. alld lb. .23 - —
Triethylamine, dms., c.l., works, dlvd. E lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .47½- —
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld E. of Denver lb. .46¼- —
non-ret. dms., l.c.l. frt alld. E. of Denver lb. .47¼- —
tanks, frt. alld. E of Denver lb. .43¾- —
Triethyl phosphate, dms., c.l., dlvd. lb. .40½- —
dms., l.c.l., dlvd. lb. .41½- —
tanks, dlvd. lb. .38 - —
Triethylene glycol, dms., c.l., dlvd. E lb. .21 - —
dms., l.c.l., dlvd. E lb. .22 - —
tanks, same basis lb. .18½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .51½- —
dms., l.c.l., dlvd. E. lb. .52½- —
tanks, dlvd. E. lb. .49 - —
Tri-isopropanolamine, dms., c.l., dlvd. E lb. .23¼- —
dms., l.c.l., dlvd. E lb. .24¼- —
tanks, dlvd. E. lb. .20¾- —
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis lb. .30 - .305
tanks, same basis lb. .26 - —
25-40% soln., dms., c.l., works, frt. equald, 100% basis lb. .35 - —
dms., l.c.l., works, frt. equald., 100% basis lb. .35½- —
tanks, works, frt. equald, 100% basis lb. .26 - —
Trioxane, pure, dms. c.l. t.l. works. lb. .50 - —
dms., l.c.l., works lb. .51½- —
Tripentaerythritol, bgs., l.c.l., dlvd. E. lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .41½- —
bbls., l.c.l., frt. equald lb. .43½- —
Triphenylguanidine, bbls., works lb. .90 - —
tanks, same basis lb. .18½- —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E lb. .21 - —
dms., l.c.l., l.t.l., frt. alld E lb. .22 - —
Tripropylene glycol, tankcars and compartmented tankcars, frt. alld. E lb. .18½- —
tankwagons and compartmented tankwagons, 1,000 gals. min. frt. alld E lb. .19 - —
Tripropylene glycol prices 1c. per lb. higher in West.
Trisodium phosphate (see Sodium phosphate tribasic)
dl-Tryptophane, fib. dms., works. lb.55.00 - —
Tung oil, dms., c.l., New York lb. .23 - —
dms., l.c.l., New York lb. .23¾- .23½
tanks, New York lb. .21½- —
tanks, domestic mills lb. .21½ Nom.
Tungsten metal, powd., 2.0-2.5 microns, dms., works lb. 3.73 - —
Tungstic acid, tech. dms. 1,000-lb lots, works lb. 2.15 Nom.
dms., smaller lots, works lb. 2.30 Nom.
Turkey red, bbls., works lb. .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, cns., dms lb. .28 - .50
Tyrothricin, USP, bots gram. .55 - .58
Tuscan red, bbls., frt. equald lb. .26 - .32

## U

Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies lb. .35 - .39½
Ultramarine blue, jobbing types, bbls., same basis lb. .19 - —
Regular types, dry bbls., same basis lb. .22¼- .35
Ultramarine blue prices 1c. higher W. of Rockies.
Umber pigment, burnt, American, bgs., c.l., works lb. .07½- .07¾
bgs., l.c.l., works lb. .07¾- .08
Burnt, Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .08¼- —
Raw, American, bgs., works lb. .07¾- .08¼
Turkey-type, bgs., works lb. .08½- .08¾
Undecylenic acid, dms. lb. 1.45 - —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea, 46% N indust., bgs., c.l. t.l., dlvd. E ton.125.00 —
bgs., l.c.l. dlvd E. ex whse. ton.145.00 - —
45% N, agricultural, bgs., c.l., (30 tons) dlvd. E ton.110.00 - —
Urea-ammonia liquor A and B grades N basis, tanks, Belle W Va ton.126.00 - —
C grade, tanks, same basis ton 124.50 - —
37 grade, tanks, same basis ton.153.00 - —
Urethane USP, dms., t.l., f.o.b. works lb. .65 - —
dms., l.t.l., same basis lb. .70 - —
Uva-ursi leaves, bls lb. .17 - .19

## V

Valerian root, Belgian, bgs. lb .35 —
Indian, bgs lb .29 —
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton.88.00 -90.00
Valonia cups, 28-30% tannin, bgs., ex dock ton.66.00 -67.00
Valonia extract, powd, 63% tannin, bgs., ex dock lb. .11 - —
Vanadium pentoxide, tech, dms., works lb. 1.22 1.33
Vandyke brown, bbls, works lb 08½ 12
Vanilla beans, Bourbon, tins lb. 9.25 - 9.75
Mexican, cuts, tins lb. 9.25 9.75
whole, tins lb. 9.75 -10.50
Tahiti, cs. lb. 7.75 - 8.00
Vanillin, ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more lb. 2.85 - 3.00
500 lbs. lots lb. 2.95 - 3.10
100 lb. lots lb. 3.10 - 3.25
Venetian red, jobbing, bgs., works. lb. .0475- —
20%, bgs., works lb. .0525- —
25%, bgs., works lb. .0575- —
30%, bgs., works lb. .06 - —
35%, bgs., works lb. .0625- —
40% bgs, works lb .0375- —
Vetiver oil, Bourbon, cns lb.13.00 -15.50
Haitian, cs. lb.10.00 -11.50
Java, cns lb.11.75 -12.25
Victoria blue toner, molybdated, PMA, 250-lb. bbls., dlvd. E. of Rockies lb. 4.50 - —
Victoria blue toner bbls. prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd lb .20 - —
55-gal dms., l.c.l., dlvd lb. .21 - —
tanks, dlvd lb. .17½- —
tanktrucks less than 4,000 gal., dlvd lb. .18 - —
Vinyl acetate monomer, zone 2, 55-gal. dms., c.l., dlvd. lb. .21 - —
55-gal. dms., l.c.l., dlvd lb. .24 - —
tanks, dlvd lb. .18½- —
tanktrucks less than 4,000 gals., dlvd lb. .19 - —
Zone 1 is all continental U. S. except Zone 2. Zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Vinyl n-butyl ether, tech., dms., l.c.l., works lb. .50 - —
Vinyl chloride monomer, tanks, works lb. .11 - .125
Vinyl ether, tech, dms., c.l., works. lb .28 - —
dms., l.c.l., works lb .29 - —
tanks, works lb. .25 - —
USP, anesthesia, bots., 50cc. hospitals bot. 1.13 - —
USP, anesthesia, bots, 7.5cc. hospitals bot. 1.36 - —
Vinyl ethyl ether, tech., dms., c.l., works lb. .29¼- —
dms., l.c.l., works lb. .30 - —
tanks, works lb. .27¼- —
Vinyl methyl ether cyls, works lb .30 - —
Cylinders are sold outright, or if shipped against deposit, a free period of sixty days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.
Vinyl propionate, monomer dms., c.l., dlvd lb. .49½- —
dms., l.c.l., same basis lb. .50½- —
tanks, same basis lb 47 - —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms to tanks, works lb. 1.34 - —
1 to 9 dms., works lb. 1.48 - —
tanks, works lb. 1.31 - —
Vinyltoluene, dms., c.l., frt. alld. lb. .16 - —
dms., l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .13½- —
Viosterol, in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units .02½- —
Virginia type red, bbls., works lb 1.40 - —
Vitamin A acetate, syn., cryst., beads, 500,000 A units per gram gram. .07¼- —
Vitamin A acetate, syn., dry, 500,000 units per gram, kilo lots kilo.67.50 - —
dry, 325,000 units per gram, same basis kilo.43.88 - —
dry, 250,000 units per gram, same basis kilo.33.75 - —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
Vitamin A, liq in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
Vitamin A, palmitate, liq 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
Liq. in oil, 1,000,000 A units per gram 1,000,000 units. .10 - —
Vitamin $B_1$ (see Thiamine hydrochloride).
Vitamin $B_2$ (see Riboflavin and Yeast).
Vitamin $B_{12}$, cryst., 1-10 gram vials. gram.215.00 —
Oral grade solids, in containers of 1 and 10 grams of $B_{12}$ activity gram.175.00 - —
0.1 percent triturations of cryst. $B_{12}$ with dicalcium phosphate or mannitol. 1-10 kilo.247.00 - —
Vitamin C (see Ascorbic acid).
Vitamin D (see Codliver and Fish-liver oils. Calciferol and Viosterol).
Vitamin $D_2$, dry, 850,000 units per gram, kilo lots kilo.42.50 - —
850,000 units per gram, less than kilo lots kilo.45.99 - —
Vitamin E (see a-Tocopherol and Wheat germ oil)
Vitamin G (see Riboflavin).
Vitamin H (see Biotin).
Vitamin K, active (see Menadione).
Vitamin $K_1$, 25 gram bots gram. 4.50 - —
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P, petroleum).

## W

Wahoo root, bark, bls. lb. 2.10 - —
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb 1.95 - —
dms., 25-49-lb. lots, New York or Chicago lb 2.05 - —
cns., 5-24-lb. lots, New York or Chicago lb. 2.15 - —
Watchung-type reds, bbls lb. 1.95 - —
Wattle bark, fair average, African, bls, ex dock ton.62.00 - —
Merchantable, bls., ex dock ton.64.00 - —
Wattle extract, liq., 35% tannin, bbls. lb. .08¼- .08½
Wattle extract, solid, East Africa, 60% tannin, bgs., ex dock lb. .08275- —
Solid, South Africa, 60% tannin, bgs. ex dock lb. 0848 —

### Waxes

Wax quotations, formerly grouped under one heading, are now listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms. gal.12.25 - —
Wheat starch (see Starch, wheat)
White lead (see Lead, white)
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd. dms., lb 6.55 - —
Whiting (see Calcium carbonate)
Wild cherry bark, thin, nat., bls lb. .18 - —
Thin, rossed, bls lb. .21 - —
Wintergreen oil, USP, nat., northern, cns lb 6.35 -10.30
USP, nat., southern, cns lb. 3.75 - 7.00
Wintergreen oil, syn (see Methyl salicylate)
Witch hazel bark, bls lb .16 - .17
Witch hazel leaves, bls lb. .22 - —
Wollastonite fine, bgs, c.l., works ton.39.50 - —
bgs., l.c.l., ex whse ton.56.00 - —
Medium, bgs, c.l., works ton.27.00 - —
bgs, l.c.l. ex whse ton.44.00 - —
Wood alcohol (see Methanol).
Wood oil (see Tung oil)
Woolfat, crude (see Degras)
Woolfat, USP (see Lanolin)
Wormseed, Levant, bgs lb. 4.25 4.50
Wormseed oil (see Chenopodium oil, NF)
Wormwood oil, cns lb. 4.90 - 5.80

## X

Xylene, coaltar, indust., tanks, works:
Bethlehem, Pa. gal. .33 - —
Birmingham dist. gal. .32 - —
Chicago, dist. gal. .34 - —
Cleveland dist. gal. .34½- —
Geneva, Utah gal. .29 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .34 - —
Lone Star, Tex. gal. .31¼- —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia dist. gal. .33 - —
Pittsburgh dist gal. .32 - —
Sparrows Point, Md. gal. .33 - —
Terre Haute, Ind. gal. .34 - —
Youngstown, Ohio gal. .33½- —
Xylene, petroleum indust., tanks, works:
Bayonne, N. J. gal. .33 - —
Baytown, Tex gal. .31¼- —
Charleston, S. C. gal. .33 - —
Chicago, Ill. gal. .34 - —
Houston, Tex. gal. .31¼- —
Philadelphia, Pa. gal. .33 - —
Providence, R. I. gal. .33 - —
Wood River, Ill. gal. .34 - —
Xylenol, crvst., 45°-47° C., m.p., dms., l.c.l., works lb. .23 - —
56°-58°C. m.p., dms., l.c.l., works, frt. equald lb. .33 - —
60°-62°C. m.p. dms., l.c.l., same basis lb. .40 - —
Xylenol fraction, b.r. 7°-9°C., dry above 227°C., dms., c.l., same basis gal. 1.25 - —
dms., l.c.l., same basis gal. 1.30 - —
tanks, same basis gal. 1.05 - —
Xylenol fraction, b.r. 7-9°C., dry at or below 227°C., dms., c.l., same basis gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Xylidines, mixed o-m-p, dms., c.l., or t.l., works lb. .39 - —
dms., l.c.l., same basis lb. .40 - —
tanks, same basis lb .38 - —

### Xylol

Xylol quotations, both coaltar and petroleum, may now be found under Xylene.

## Y

Yara yara oil, cns. lb. 2.15 - 3.05
Yeast, brewers, debittered, USP, Saccharomyces dlvd lb. .27 - —
Dry, USP, 50 Int'l B units per gram 100-lb dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
Yeast, brewers, dry, USP, 200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Torula, USP, dlvd lb. .18 - —
Yerba santa leaves, bls. lb .42 - .43
Ylang-ylang oil, Bourbon, bots lb.19.00 -25.00

### Yellow Pigments

Yellow pigment quotations, formerly grouped under one heading, are now listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow.

Ylang-ylang oil, Bourbon, extra, bots lb.28.00 -40.00
Madagascar, bots lb. No Stocks.
Yohimbine hydrochloride, bots, tins. oz. 3.75 - 4.25

## Z

Zein, bgs., 36,000-lb. lots or more. lb. .38 - —
Zein, bgs., 1,000 to 36,000-lb. lots, works lb. .40 - —
bgs., smaller lots, works lb. .43 - —
Zinc acetate, NF, VIII, dms. lb. .33 - —
Tech., dms., l.t.l., works lb. .29¼- —
Zinc borate, bgs., 1,000 lbs. or more, dlvd. E lb. .33 - —
bgs., less than 1,000 lbs., same basis lb. .35 - —
Zinc chloride, NF, gran., dms lb. .42 - —
Precip., powd., dms lb. .36 - —
Soln., 50%, dms., c.l., works. 100 lbs. 5.90 - —
dms., l.c.l., works 100 lbs. 6.40 - —
tanks, works 100 lbs. 5.15 - —

| | | | |
|---|---|---|---|
| Zinc chloride, tech., fused, dms., c.l., works | 100 lbs. | 10.70 | — |
| dms., l.c.l. works | 100 lbs. | 11.20 | — |
| gran., fib. dms., c.l. works | 100 lbs. | 11.45 | — |
| fib dms., l.c.l., works | 100 lbs. | 11.95 | — |
| Zinc chromate, bbls., dlvd. | lb. | .29 | — |
| Basic, bbls., dlvd. | lb. | .34 | — |
| Zinc cyanide dms. 1,000-lb. lots or more, works | lb. | .53 | — |
| dms., smaller lots works | lb. | .57 | — |
| Zinc dust., coml., bbls. c.l., works | lb. | .1360- | — |
| Pigment, bbls., c.l., works | lb. | .14 | — |
| bbls., l.c.l., works | lb. | .15 | — |
| Zinc fluoride, bbls., works | lb. | .49 | .50 |
| Zinc hydrosulfite, dms., c.l., frt. alld | lb. | .21½- | — |
| dms., l.c.l. frt. alld | lb. | .23½- | — |
| Zinc metal, prime western slabs, E. St. Louis | lb. | .10 | — |
| Prime western slabs, New York, | lb. | .10½- | — |
| Zinc naphthenate, liq., 8% Zn., dms., frt. alld | lb. | .27 | — |
| 10% Zn, dms., frt. alld | lb. | .33 | — |
| Zinc nitrate tech. cryst., bbls., works | lb. | .20 | — |
| Zinc oxide pigment, American process, lead-free bgs. c.l., frt. alld | lb. | .14½- | — |
| bgs. l.c.l., same basis | lb. | .15½- | — |
| leaded, 35% bgs. c.l., mills, frt. alld. | lb. | .15½- | — |
| bgs., l.c.l., same basis | lb. | .16½- | — |
| 50%, bgs., c.l., same basis | lb. | .15¾- | — |
| bgs., l.c.l., same basis | lb. | .16¾- | — |
| Zinc oxide pigment, French process, green seal, bgs. c.l., mills, frt. alld. | lb. | .16¼- | — |
| bgs., l.c.l., same basis | lb. | .17¼- | — |
| red seal bgs., c.l., same basis, | lb. | .15¼- | — |
| bgs. l.c.l. same basis | lb. | .16¼- | — |
| white seal, bgs., c.l., same basis | lb. | .16¾- | — |
| bgs., l.c.l., same basis | lb. | .17¾- | — |
| USP, ctns. c.l., frt alld | lb. | .17¼- | — |
| ctns. l.c.l. same basis | lb. | .18¼- | — |
| Zinc oxide Pac Coast prices 1c higher | | | |
| Zinc phenolsulfonate, NF gran., dms | lb. | .44 | .43 |
| NF, powd., dms. | lb. | .47 | .48 |
| Zinc resinate precip 7.2-7.6% Zn. dms. frt. alld. | lb. | .36¼- | — |
| Zinc silicofluoride dms. works | lb. | .12½- | .14 |
| Zinc stearate, tech. USP. ctns. c.l., | lb. | .41 | — |
| Zinc sulfate, powd., monohydrate, ctns., l.c.l. | lb. | .42 | .46 |
| 36% Zn., bgs., c.l., dlvd. E | 100 lbs. | 6.73 | — |
| bgs., l.c.l., dlvd. E | 100 lbs. | 9.73 | — |
| USP, gran., dms., | lb. | .20 | — |
| Zinc sulfate in bbls. 40c. higher | | | |
| Zinc sulfide pure, bgs., c.l. dlvd | lb. | .2530- | — |
| Zinc undecylenate, dms. | lb. | 2.00 | — |
| Zinc yellow (see Zinc chromate) | | | |
| Zinc-ammonium chloride, bgs., c.l., works | 100 lbs. | 10.25 | — |
| bbls., c.l., works | 100 lbs. | 10.85 | — |
| bbls., l.c.l., works | 100 lbs. | 11.35 | — |
| Zinc-formaldehyde sulfoxylate basic, dms., c.l. | lb. | .25½- | — |
| dms., l.c.l. | lb. | .26 | — |
| Zircon (G), gran., bgs. c.l., works, | lb. | .03¼- | — |
| bgs., 5 tons to c.l., works | lb. | .03⅜- | — |
| bgs., 1 ton to 9,999-lb. lots, works | lb. | .04 | — |
| bgs., smaller lots, works | lb. | .06¼- | — |
| Zircon (G), milled, bgs., c.l., works | lb. | .04½- | — |
| bgs. 5 tons to c.l. works | lb. | .04⅝- | — |
| bgs., 1 ton to 9,999-lb. lots, works | lb. | .04⅝- | — |
| bgs., 500-1,999-lb lots works | lb. | .07½- | — |
| Zircon (G) in barrels 1c higher | | | |
| Zirconium acetate, 13% soln., $ZrO_2$, c.l., 30,000 lbs minimum, works | lb. | .23 | — |
| Zirconium hydride powd., dms., works | lb. | 7.25 | 9.00 |
| Zirconium oxide, CP, white, grd., bbls or bgs., works | lb. | 1.50 | — |
| Electric-fused, lump, bgs. 500 to 1,999-lb. lots, works | lb. | .45½- | — |
| bgs. smaller lots, works | lb. | .48 | — |
| milled, bgs., c.l., works | lb. | .59 | — |
| bgs., 5-ton lots, works | lb. | .59½- | — |
| bgs., 1-ton to 9,999-lb. lots, works | lb. | .60 | — |
| bgs., 500 to 1,999-lb. lots., works | lb. | .60½- | — |
| bgs., smaller lots, works | lb. | .63 | — |
| Glass polishing grade, 94-97% $ZrO_2$, bgs., works | lb. | .55 | .62 |
| Opacifier grade, 85-90% $ZrO_2$, bgs., | lb. | .27 | .50 |
| Stabilized oxide, 91% $ZrO_2$, milled, bgs | lb. | .62 | .83 |
| Zirconium oxychloride, cryst., ctns., 5-ton lots, works | lb. | .35½- | — |

## *Tariffs Go Up*

*—Continued from page 7*

down the volume of sales, but also undercut the price structure which has not been able to keep pace with rising labor costs."

Despite this, free-traders and defenders of low tariff programs are legion. Why? Dr. Lloyd pointed an accusing finger at the fact that the tariff questions "is apt to have a dollar-and-cents impact on the individual's business and livelihood. We have all heard," he noted, "how the manufacturer may be hurt by import competition and so he is labeled as 'protectionist' and 'selfish.' He is not the only one, however, who has a dollar-and-cents interest in tariffs. Many free-traders are as self interested as are producers."

**Telescopes His Attack**

Telescoping his attack against the free-trade advocates, Dr. Lloyd pinpointed the administration's trade agreements act as a move in the wrong direction. Countering the low tariff exponent's arguments that passage of the act will keep millions employed, Dr. Lloyd said that "failure to extend the trade agreement act could not cost a single job, except perhaps a few in the State department."

"It is hard to believe that otherwise responsible men could be so carried away with their prejudice as to insinuate, and in some cases openly state, that four and one-half million jobs would be jeopardized by failure to renew the trade agreements act."

The true picture is given, Dr. Lloyd said, by a study of the balance of payments. "Foreign nationals have been increasing their dollar credits almost $2 billion per year. This represents $2 billion annually which was not spent in the American market and did not make jobs for American workers. At an average annual wage of $4,000, this represents a half million jobs in manufacturing industries. Today, half of our employment is in services; that is, in a sense, each manufacturing worker supports an additional worker in the service industries. To include the service workers we should double our figure. This means that if our international payments were in balance, we would have jobs for an additional million workers in this country."

**Can't Beat Foreign Labor**

"Today's record demonstrates the claims which the chemical industry has been making for some years that we cannot compete against low-cost foreign labor. Chemicals are sold on specification. There is no trademark protection and little service problem. As fast as foreign producers can build capacity in excess of their domestic demand, they will be shipping it into our market at prices just a little below domestic prices. In this way they will gain entrance to our market and maximize their own profits," Dr. Lloyd said.

"If the American public were told the truth about the operations of the free-trade theory under present world conditions, there would be an overwhelming demand for Congress to apply fair tariffs adequate to equalize that part of the foreigner's low-cost which results from his sweatshop wages. If we move further in the direction of free trade, so many jobs will be lost that there will be a swing back to high tariffs. In their own long-range self interest, even the importers had better be cautious about trying to force tariffs still wore," he concluded.

## Cyanamid Unit Treats Waste Of Its Plant and Community

American Cyanamid Company, New York, has opened its new $4.5 million biological-industrial waste treatment plant in Bound Brook, N.J.

The new plant, in addition to treating and purifying company wastes before they enter the Raritan river, will also give secondary treatment, at cost, to the domestic sewage of three municipalities in the immediate area.

## Solvay Process to Modernize Chromium Chemicals Facility

Solvay Process Division, Allied Chemical Corporation, New York, is about to begin a major modernization and improved materials handling project at its Mutual chromium chemicals plant in Baltimore, Md.

According to I. B. Munro, Solvay Process president, the project will include alteration of an existing building to a modern warehouse facility for more efficient storage and handling of chromium products; construction of a new truck dock, and installation of new materials handling equipment.

## Linde Builds Radiation Lab

Linde Company, New York, a division of Union Carbide Corporation, has constructed a radiation laboratory with a cobalt 60 gamma ray source at Tonawanda, N.Y., to study the effect of radiation on various industrial materials. According to Linde, the "gamma ray" is an exceptionally high energy ray capable of opening up an entirely new field of metal treatment.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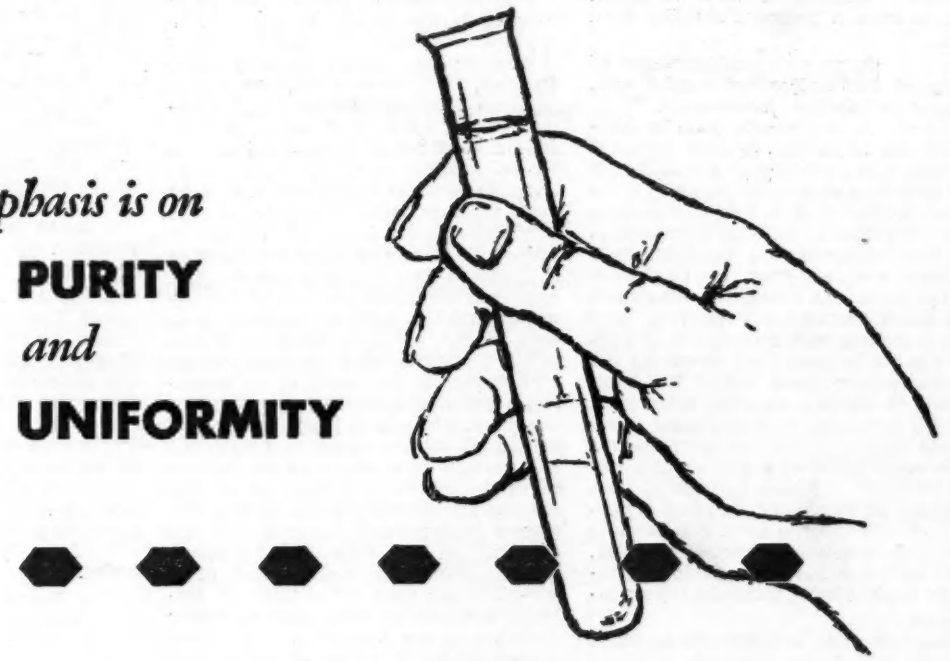

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**Volume 173** **June 16, 1958** **No. 25**


## Developing a Pan-American Policy

In a letter to President Eisenhower, made public ten days ago, the President of Brazil said that "the hour has come for us to undertake jointly a thorough review of the policy of mutual understanding on this hemisphere and to conduct a comprehensive reappraisal of the proceedings already in motion for the furtherance of Pan-American ideals in all their aspects and implications." The Brazilian executive told President Eisenhower that he would like to have a personal meeting with him.

Last week, an assistant Secretary of State left for the Brazilian capital with a reply by President Eisenhower. There has been no intimation that he conveyed an invitation to any personal meeting of the two presidents; although the Brazilian executive certainly is no less deserving of such recognition than was the President of West Germany. It has been reported that the President's courier was expected to emphasize "three important changes in US economic policy toward Latin America." The new objectives were reported to be help for the coffee-producing countries hit by low prices; more liberal E-I bank credits to nations suffering most from the US recession; and a "firmer stand by the administration against pressures to increase duties on dollar-earning Latin exports." Because there is in that program at least a bit more of a purpose of trade rather than aid, there is no clear reason to expect a reaction, such as there has been among Canadians, against being treated as "poor relations."

But, a short time before his assistant left for Brazil, the Secretary of State told his press conference that "there was no reason for basic change in American policy anywhere in the world." Of course, it can be argued that the "important changes" of the President's message are not what the Secretary of State meant by "basic." The secretary should get adequately posted on what they do mean if he has any thought of accepting the invitation that Colombia expects to extend for a contemplated meeting with Latin-American foreign ministers in Bogota two or three months hence to consider hemispheric policies and problems. One of the biggest topics for such a conference lies in the area of the US policy on the importation of petroleum, a policy which has been, is, and progressively will be promotive of communistic profiting from US errors in mutual understanding with Latin America. The misunderstanding in that connection is by no means the greater on the part of the Latins, despite the pronouncements of "expert" advisers about the needs in that respect.

Whatever government may be planning or trying to do by way of the house subcommittee on foreign affairs to develop better relations with Latin America, US private enterprise should be most busy cultivating better relations with Latin Americans. It will miss a good bet if it does not take a big—a leading—part in the international investment conference to be held next week in Belo Horizonte by the Brazilian National Confederation of Industry. That gathering will have to do with both natural resources and economic developments. It will be international in various respects, but, with respect of Latin America, it will present opportunities to learn about such things as the desire of an Argentine manufacturer and importer of pharmaceuticals and industrial chemicals to get US investment and technical aid, perhaps in a joint venture, for the expansion of its operations; a project for the manufacture of nitrogenous fertilizers from natural gas in Brazil; the construction of a 660-mile oil pipeline in Argentina; the construction of a 460-kilometer road from Chile to Bolivia; a $2,300,000 expansion of power facilities by the Argentine state power authority; construction of the largest bridge in South America over the Parana River in Brazil; solicitation of $1,500,000 in US capital in the modernization and expansion program of a well-known pharmaceutical manufacturer in Sao Paulo, Brazil.

It should be obvious to US businessmen that "international" and "Pan-American" are not synonymous. Although there has been no such intimation, it will be well to expect and to anticipate that, because of the expansive internationalism of USSR policies, purposes, and practices, there will be more than minor communistic participation in the Belo Horizonte conference.

## Education for Engineers

Next week, the American Institute of Chemical Engineers will meet in Philadelphia and celebrate the fiftieth anniversary of its birth in that city. It is expected that the attendance of members will be at least fifty times the forty enrolled on its charter list. The membership of the organization, now global in scope, is about 500 times the original number.

Chemical engineering has grown greatly in professional and industrial stature and essentiality over the past half-century. Its progress has been in no small part attributable to the interests and activities of the institute, particularly those in the promotion of progressive, farsighted educational programs from the levels of grade schools to those of colleges. It has contributed much to the marked—and necessary—advances for which it has collaborated with the American Society for Engineering Education, with which, no doubt, it shares concern with reference to the steadily increasing need to attract more better-qualified persons to careers in engineering, as well as scientific, education.

That need runs all the way down to high schools, where there is also a clearly evident need for better curricular construction and more realistically designed methods for the teaching of mathematics, physics, and chemistry, based on adequate recognition of their fundamental importance in the building of satisfactory technologic qualifications for the needs of today and tomorrow in the service of mankind.

Engineering—or technology—is the indispensable, irreplaceable channel through which the discoveries—yes, the ideas—of science can be applied practically in that service. Under the demands of the progress of science, the necessary engineering ability cannot be built up by way of experience alone, as it largely was fifty years ago. Experience still has an important, essential place in that connection, but it must have an adequate and appropriate educational foundation. That foundation cannot be constructed of a college course alone; it must be built from the ground up with proper regard for what it is to be and what it will have to do. It is only through the understanding cooperation of such properly qualified groups as the American Institute of Chemical Engineers that the foundation can be satisfactorily planned and constructed.

One of the basic needs for the success of that cooperation lies in the high-school curriculum. That need is for revision there which will provide satisfactory schedules adapted to the desires, expectations, and plans of individual students, proper distinction being made between those who have and those who do not have higher education in mind, and in the former group, between those who look to studies in physical sciences—including engineering—and those who will go along on lines of arts and social science. For the best service of tomorrow's real needs of humanity, in either physical or social areas, the high-school curriculum wisely would be patterned upon the course to be started in the next term at Rensselaer Polytechnic Institute—one half of the time being devoted primarily to science; the other to the humanities.

## Wheat for What

Estimates by the Department of Agriculture predict that this year's winter wheat crop will be 43 percent larger than last year's and that the combined winter and spring production will be 30 percent larger. Despite the reduction in the rate of government price support, that would mean more money for the growers—out of the pockets of payers of federal taxes. Supplemented by the reserve and surplus accumulated over the years of support and subsidy, the "available" supply of wheat this year will amount to more than two billion bushels, with enough of it in the reserve and surplus class to cost much for storage, to do much plaguing of politicians who need the farmers' votes and government officials who are burdened with the farmers' response to the crop-restraint attempted by way of soil banks and other revenue-raiding ventures.

The farm situation has been rather peaceful for some time—because farm prices have got somewhat into step with other factors in the ascending cost of living; although the processor and the distributor still get a bigger slice than does the producer. But, if this year's wheat crop measures up anywhere close to the estimates, there will be an imperative need to find outlets for it. There may not be any recession for farmers; but there has been something such for those on whom the cost of the "pensioning" of farming is levied.

The Secretary of Agriculture has been talking optimistically about the possibility of increasing this country's already world-leading volume of exports of farm products. But from across the Atlantic comes news that this year's acreage under crops of wheat of Italian variety will be seven and a half times more than last year's. And Canada is putting a bigger push into world wheat trade. There is nothing substantially helpful, even as a profitless reduction, in the proposal by a California member of congress that this country airlift food to famine-stricken northern Brazil. So, it is easily understandable why business is taking a look at the problem and such things as the program of farm-business and business-farm days.

There is some reviving of interest in farm products as raw materials for industry, a looking at and into and behind the report made to the President a year ago by his commission on the increased use of agricultural products, with its particularly pertinent consideration of the consequences of the shift to synthetic displacement of agricultural textile fibers, leather, paint oils, and other once-profitable sources of farm income. There may now be, as the Chamber of Commerce of the United States recently said, "expanded research to find new industrial uses for farm products"; but, there is a big need for much more—and it should be planned, financed, and conducted by private enterprise, represented by the national organizations of industry and commerce, science and technology, agriculture, and farm chemurgy. There is no place whatsoever in such an undertaking for that would-be boss, the US Department of Agriculture. Despite the recent endeavors of the head of that agency to get out from under political pressures, it has done more than plenty mussing up of the farm products situation. The public should not be taxed to pay for the development of mutually beneficial collaboration of manufacturing industry with agriculture—which should be an industry. So, keep all governmental and other political hands and heads away from the imperatively necessary job, and get it done.

## *Washington Talks It Over*

### Cut Taxes on Overseas Incomes, Relax Money Exchange, Urge American Companies With Holdings Abroad.

By Ralph L. Cherry
Chief, OPD Washington Bureau

American businessmen engaged in international operations would like to see a reduction in taxes on the income earned abroad and the promotion of freer convertibility of foreign currencies. They have so advised the Department of Commerce in a series of recommendations growing out of a meeting recently of the World Trade Advisory Committee.

Among a large number of other changes they would like to see made—all for the purpose of encouraging American capital to invest in industries abroad—are clarification of antitrust laws as applied to overseas activities of American corporations, provision for an effective means for arbitration of international disputes arising between foreign and national contracting interests, and additions to United States foreign service personnel to better serve the interests of United States private investors.

Advantages to be derived by newly-developing countries from United States capital assistance, managerial and technical skills should be stressed by the government through the ICA taking a more active part in this project. Its technical assistance programs should be directed toward bringing foreign business personnel to the United States for first-hand observation of American production methods and ways of doing business. Also, the Department of Commerce should include investment missions in its present trade missions program to explain United States government and private enterprise aims and policies overseas.

### Listening Post Boost Slated

The administration aims to strengthen its overseas scientific listening posts.

President Eisenhower has asked congress to add another $864,000 to the appropriations of the State department for the current fiscal year, most of which is to be spent in the interest of getting more of this kind of information out of Europe and other world centers.

The department wants $631,000 to expand its science program by placing science attaches at major posts overseas, and by providing an additional supporting staff in Washington to advise on international scientific developments as they effect our foreign relations.

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# Heavy Chemicals

Creeping optimism characterized the market last week. Customers were not playing as close to the vest as previously. As steel output edged upward, volume of movement of heavy chemicals, particularly mineral acids, expanded. Everyone continued to watch the mechanics of the steel position. It was conceded that if steel were being bought now only as a hedge against July 1 price increases, the chemical market could lose its zip during July and August. But steel men continue to believe that output should actually gain during the latter part of the summer.

This hopeful prognostication is based in large part on the hope that auto production will gain momentum. Right now, the market for most chemicals connected with the Detroit situation is soggy.

Chromic acid consumption is low, for instance. One reason is that plating activity for automobiles is sharply curtailed. Another is that plating of appliances and other durable goods has suffered.

A major producer of the plating salts copper cyanide and potassium cyanide lopped prices two and a half cents across the board for both items, as well as other plating chemicals.

The strike at a midwestern plant of a producer of mineral acids and phosphorous compounds continues. However, no shortages of material are evident.

The copper market took a turn for the better last week, and custom smelters' prices rose higher than primary producers' quotations. Zinc was weak in view of the long supply position. Lead was fairly steady at recently lowered levels.

The American Paper and Pulp Association reported production for the week ended June 7 at 84.1 percent of theoretical capacity, as compared with the revised figure of 81.3 percent for the previous week, and 94.1 percent for the corresponding week of last year.

## Price Trends

**Advanced**

Tin, ¼c. per lb.

**Reduced**

Copper cyanide, 2½c. per lb.
Potassium cyanide, 2½c. per lb.

**Comparative Price Indexes**

(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 104.68 | 104.68 | 104.68 | 104.45 |

*For Current Prices See Page 9*

## Acids

**Chromic** — Buying interest continues dull, and some sources estimate that demand is far below last year's levels. Lack of demand can be primarily attributed to low automobile plating needs.

Further, inquiry has suffered due to lower production of chromium plated appliances and similar durable goods.

**Hydrochloric** — Business continued to improve, in accord with slowly climbing steel production. Producers believe July 1 will be a crucial date in this market, as in markets for other mineral acids.

It is on July 1 that steel price increases are expected to go into effect. After this time, sources point out, it will be found out whether customers have been hedging against the July 1 increase, or whether the improving rate of steel production and consumption will continue through the balance of the summer.

**Hydrofluoric** — Interest for refrigerant and propellent manufacture has been active. Production and sales of this acid have held up very well during the first half, contrary to trends set by some of the other mineral acids.

**Nitric**—Last week saw further creeping improvement in production and sales. This was due primarily to the increase in steel production.

**Sulfuric** — Steel and rayon showed more life last week. Consequently, sales of acid were in somewhat larger volume. A strike at the midwestern plant of a producer, while it has not resulted in a shortage in the area, has nonetheless made itself felt in a mild tightening of the market.

Production of sulfuric acid in 1957 decreased 0.6 percent, to 16,387,921 tons from the 1956 level of 16,494,538 tons, on a 100 percent basis, according to the Bureau of Census.

About 87.9 percent of the 1957 output was made by the contact process, compared with 86.5 percent of the 1956 total. In 1957, some 217 plants made sulfuric acid in the United States.

Steel production edged up again last week to 1,723,000 tons from the previous week's 1,685,000 tons, according to the American Iron and Steel Institute.

The previous week's output represents 62.4 percent of the utilization of January 1, 1958 capacity. Actual production of steel a year ago last week was 2,214,000 tons.

## Bases and Salts

**Aluminum Chemicals**—As reported last week, pending negotiations between labor and management in the aluminum industry are expected to bring about higher prices for at least some items.

It was indicated that these price increases might be forthcoming in late July, but most likely on August 1. Chemicals most likely to be affected would be calcined alumina, aluminum hydrate, and aluminum fluoride.

**Caustic Soda** — Business continues to show moderate improvement. The rayon industry has stepped up its interest, primarily owing to heavier demands for tire cord, as well as staple fiber for the fall textile trade.

**Chlorine** — Increased seasonal commitments have helped this market along, whereas normally heavy industrial needs have lacked snap. Water and sewage treatment demand has been active during the past few weeks. Pesticide inquiry has tapered off after a busy spring.

**Copper Cyanide** — Price has been reduced by 2½c. per pound across the board. Material is newly quoted at 60.9c. per pound, drums, 20,000-pound lots or more, f.o.b. works; 61.9c. per pound, 1,000 to 19,999-pound lots, same basis and 63.9c. to 65.9c. per pound, smaller lots, same basis, as to quantity.

**Lime**—Domestic sales of open-market lime in March rose to 600,216 tons from February's 546,047 tons, but were far be-

## Inorganic Chemicals Output: March

The following figures compiled by the Bureau of Census indicate production of industrially important inorganic chemicals, in tons.

| | Mar. | Feb. |
|---|---|---|
| Aluminum chloride, anhyd. | 2,517 | 2,745 |
| liq., cryst. | 900 | 981 |
| Aluminum sulfate, com'l. | 68,847 | 60,597 |
| iron free | 3,300 | 2,941 |
| Calcium carbide | 75,215 | 66,849 |
| Carbon dioxide, liq., gas. | 23,819 | 24,937 |
| solid | 32,397 | 26,955 |
| Chlorine gas | 232,828 | 267,513 |
| Chromic acid | 1,212 | 840 |
| Hydrochloric acid | 65,276 | 64,798 |
| Hydrofluoric acid | 7,345 | 6,214 |
| Nitric acid | 245,543 | 213,269 |
| Phosphoric acid | 155,192 | 125,140 |
| Phosphorus, elemental | 23,660 | 23,791 |
| Phosphorus oxychloride | 1,540 | 6,214 |
| Phosphorus trichloride | 1,526 | 1,355 |
| Potash, caustic, liq. | 7,664 | 6,030 |
| solid | 1,066 | 1,188 |
| Soda ash, light | 193,601 | 176,725 |
| dense | 149,454 | 138,105 |
| natural | 43,584 | 42,804 |
| Soda, caustic, liquid | 332,997 | 309,177 |
| dry | 37,668 | 31,848 |
| Sodium bicarbonate | 8,680 | 7,552 |
| Sodium chlorate | 5,556 | 5,140 |
| Sodium metal | 10,241 | 9,412 |
| Sodium phosphate, tribasic | 4,164 | 3,652 |
| Meta | 3,797 | 4,080 |
| Tetra | 7,351 | 6,235 |
| Acid pyro | 1,340 | 1,344 |
| Tripoly | 49,248 | 48,723 |
| Sodium silicate | 46,597 | 40,352 |
| Sodium sulfate, anhyd. | 20,775 | 20,544 |
| Glaubers salt | 9,126 | 7,764 |
| Salt cake, crude | 59,665 | 52,997 |
| Sulfuric acid, gross | 1,363,696 | 1,214,072 |

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## Heavy Chemicals

low the 753,615 tons sold in March, 1957, according to the Bureau of Mines.

Chemical and industrial lime sales increased to 384,603 tons in March from 368,997 tons in February, but were well under the 449,228 tons sold in March, 1957.

Refractory lime sales enjoyed a moderate gain, to 118,215 tons in March from 116,635 tons in February, but were considerably beneath the 198,305 ton total set in March, 1957.

**Phosphorus Chemicals** — A number of phosphorus chemicals continue to be affected by a strike at the works of a midwestern producer. Included are phosphorus oxychloride, trichloride, and pentasulfide, as well as phosphoric acid and a number of other heavy chemicals.

However, it was reported last week that despite the fact the strike has been in effect since May 2, no shortages in the chemicals have developed.

**Potassium Cyanide**—This material has been reduced 2½c. per pound across the board. Potassium cyanide is newly quoted at 42½c. per pound, drums, 20,000-pounds lots or more, f.o.b. works; 43c. per pound, 2,000 to 19,999-pound lots, same basis, and 44c. to 45½c. per pound, smaller lots, same basis, as to quantity.

**Soda Ash.**—Demand for both light and dense ash was believed to have shown mild improvement over the previous week. Glass container inquiry for dense ash continued active, owing to the summer beverage season, and the approaching canning season.

**Sodium Sulfate**—There is plenty of material around, owing in large part to the fact that the paper industry continues to run at levels from 10 to 12 percent below last year.

### Nonferrous Metals

**Aluminum** — Primary production declined to 128,491 tons. This was the lowest figure for April since 1955. March output was 137,916 tons. April output last year was 137,916 tons.

Shipments of aluminum sheet and plate rose to 103,382,000 pounds in April from 92,153,000 pounds in March, according to the Aluminum Association. Foil shipments were up slightly, to 15,444,562 pounds from 15,246,341 pounds in March.

**Copper**—The market gained a firmer tone last week, primarily based on government talk of starting a stockpile at prices up to 27½c. per pound, in order to bolster a sagging position.

As a result, custom smelters inched their prices upward above the level primary producers' quotation of 25c. per pound for electrolytic, delivered US destinations.

It was assumed in the trade last week that should the government begin buying an estimated 150,000 tons of copper for the stockpile, the open market price would immediately rise to 27½c. per pound.

**Mercury**—Domestic output amounted to 8,100 flasks in the first quarter—14 percent less than in the previous quarter but 22 percent higher than the first quarter of last year, according to the Bureau of Mines.

General imports, based on the first two months of 1958, were at an annual rate of 31,700 flasks, compared with the 45,500 flasks imported in 1957.

Of the 5,300 flasks received during January and February, 1,850 flasks was Mexican metal purchased by General Services Administration.

Mercury consumption in the first quarter rose 19 percent over the previous period, to 11,200 flasks. Increase was largely due to consumption for agricultural purposes, in electrical apparatus, and replacement at chlorine-caustic soda plants.

**Selenium**—Domestic output in the first quarter declined 12.3 percent, to 198,590 pounds, from output of 226,396 pounds in the fourth quarter of 1957, according to the Bureau of Mines. First quarter's output was 25.5 percent below average quarterly production in 1957.

However, shipments of selenium in the first quarter of 1958 rose to 210,400 pounds of contained selenium from the 168,373 pounds shipped during the fourth quarter of 1957.

**Silver**—Bullion was listed at 88⅝c. per troy ounce, spot, on Friday.

**Tin**—Straits metal was quoted at 95c. per pound, spot, on Friday.


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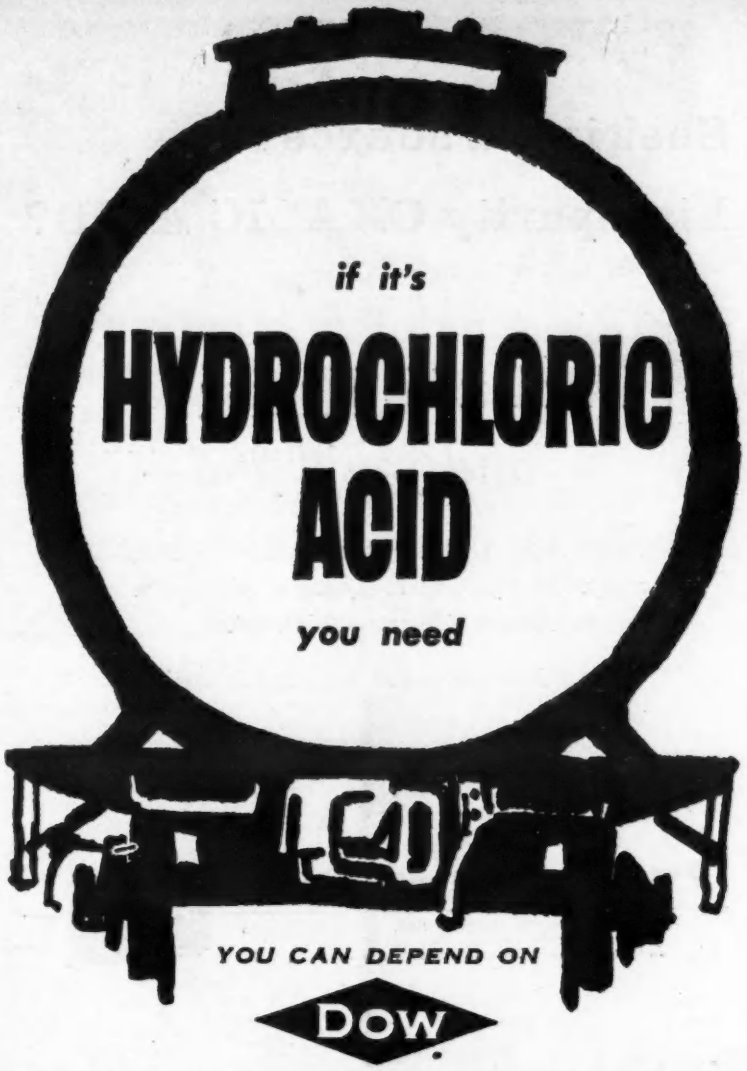


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## Obituaries

**Mark W. Eichelberger**

Mark W. Eichelberger, executive vice-president of American Potash & Chemical Corporation's Lindsay Chemical Division, West Chicago, Ill., died June 5 in that city. He was fifty-eight years old.

**Harry E. Gross**

Harry E. Gross, president of C. F. Kirk Company, New York, died June 11 in that city.

One of the founders of C. F. Kirk in 1930, Mr. Gross had previously been connected in sales capacities with Lederle Laboratories Division of American Cyanamid Company, Sherman Laboratories and Swan Myers.

**Dr. Alfred E. Sherndal**

Dr. Alfred Einer Sherndal, chemist credited with developing atebrine and retired vice-president of Winthrop Laboratories, Rensselaer, N. Y., a division of Sterling Drug, Inc., died June 12 in Hudson, N. Y. He was seventy-two years old.

Dr. Sherndal retired from Winthrop in 1955. His development of atebrine became a matter of prime importance during World War II following Japanese capture of the Dutch East Indies, source of 95 percent of the world's quinine.

**Milt Groth,** assistant advertising manager of National Lead Company, New York, died June 9 in East Fishkill, N. Y. He was fifty years old.

**Douglas H. Jaycock,** partner in L. A. Sim & Co., London, England, died May 25 in that city.

**W. E. Scott,** New York district sales manager of International Paper Company's Bagpak Division, died June 10 in that city. He was sixty-six years old. Mr. Scott was with International Paper for twenty-six years.


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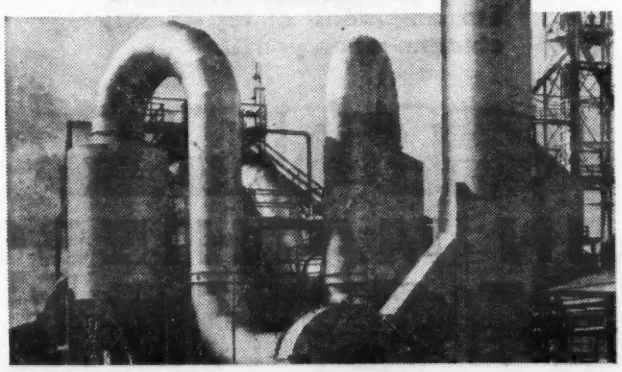

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## Chemical Exports for April Show Decline from March

April exports of chemicals and allied products slumped sharply below those of March and April a year ago, according to preliminary estimates of the Bureau of Census.

Exports for the month total only $114.5 million, the bureau reported, compared with $120.5 million for March and $124.4 million for April last year. Figures on imports of chemicals during April will be released by the bureau at a later date.

The trend in chemical exports duplicated that of all merchandise. Total exports during April were valued at $1,530.6 million, or $26.8 million below exports of March and 18% less than the April 1957 level of $1,863.6 million, which was a record month.

## Shell Oil Slates Expansion At Wood River, Ill., Facility

Shell Oil Company plans a multi-million dollar project for expansion and improvement of its lubricating oil manufacturing facilities at Wood River, Ill. The new facilities, according to the company, will increase production of high viscosity index oil from 2,000 barrels a day to 4,000 barrels a day.

## Polyethylene Resins Prices Reduced by Allied Chemical

Allied Chemical Corporation, New York, has reduced prices on two of its low molecular weight grades of "A-C" polyethylene resins.

Affected are grades "6A" and 617A" which have been reduced 5 cents per pound. The reduction brings prices for these powdered size grades in line with pellet sizes.

Under the new price schedule, truckload prices of the two grades will be 30 cents a pound. Both are made by Allied's Semet-Solvay Petrochemical Division.

## OPD Printed Wrong Headline On an Article Concerning duPont

OPD last week placed the wrong headline on an article relating to a price change in "Elvanol" polyvinyl alcohol produced by E. I. duPont de Nemours & Co., Wilmington, Del.

The article, which appeared on page 4, was correct; only the headline was wrong.

The headline belonged to another article, relating to Allied Chemical Corporation's polyethylene resins. That article today appears immediately above.


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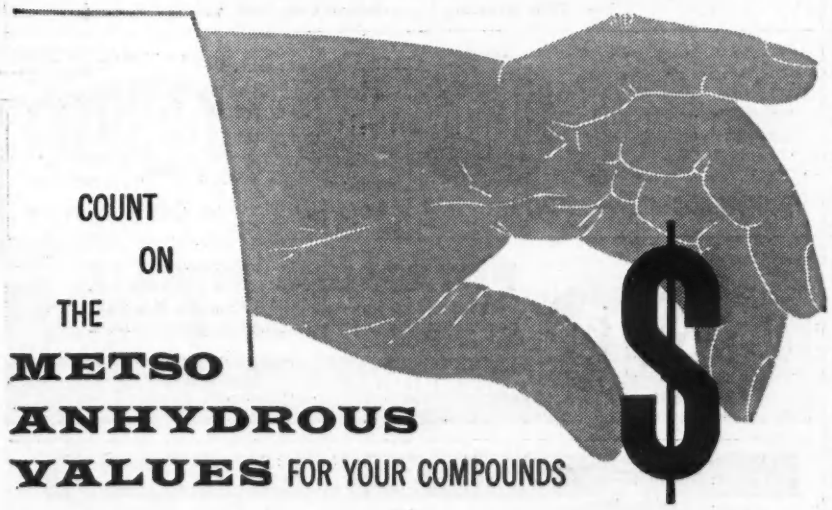

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## Senate Snubs White House, Passes Saline Water Bill

Although the administration has been cool to the saline water bill (S.J. Res. 135), the senate last week chose to overlook the White House opinion that the program is being pushed faster than scientific knowledge justifies. The senators passed the measure and sent it along to the house for concurrent action.

The bill is an authorization to the Department of the Interior to build five plants of sufficient size to demonstrate the feasibility of converting sea water or brackish water into water of sufficient purity to be useful by municipalities, agriculture or industry. An appropriation of $10 million is authorized for this purpose.

Three of the plants will be designed to operate on sea water. Two of these plants are to have a designed capacity of at least 1 million gallons a day. One of these plants will be located on the west coast and the other on the Gulf coast or east coast. The third plant is to be of more limited capacity and will be built in the Virgin Islands.

## *DuPont Purchases*

—*Continued from page 4*

censing textile processors to make bulk or textured yarn under its trademark "Taslan." Enka also has had a licensing program.

As a result of the acquisition, rights under Enka's former patents and applications will be included, at no additional royalties, under licenses covering manufacture of textured yarn which duPont now makes available to the industry. Enka's licensing program will be discontinued.

DuPont reports that there has been an increasing interest in the use of textured yarns of all kinds. "Taslan" textured yarns are now entering many new fields including drapery, upholstery, wearing apparel, tie fabrics, sewing threads, and others.


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# Agricultural Chemicals

Topic of the week last week was prices. A major producer announced that effective August 1 it will cut the base price of its ammonium nitrate fertilizer $2, from $72 to $70 per ton. It also will allow seasonal discounts on orders placed from August through December. At the same time that it announced its amonium nitrate schedule, the firm stated that it will raise prices on ammonium sulfate by $1 per ton, July 1. Thus, ammonium sulfate will become $35 per ton in bulk, and $40 per ton in bags, both f. . plant.

A reduction of $8 per ton in the base price of nitrogen solution fertilizers to $120 per ton, effective July 1, was announced by a producer last week. Seasonal discounts amounting to $10 a ton for July through September and $6 a ton October through December will be available.

Floods and generally foul weather in the cotton growin' South this Spring have held back pesticide sales and stiffened competition. As a result, methyl parathion prices were reduced 7 cents per pound across the board last week. The truckload posting became $1.18 per pound. In mid-March, prices were reduced 15 cents per pound to meet competition from foreign offerings.

Dried blood and tankage declined 50 cents and 25 cents, respectively, last week. Listings became $6.75 and $7.25 per unit ton. Fishmeal and fishscrap, on the other hand, advanced $2 per ton. A dealer here attributed increased prices to limited supplies. Production, he said, was about two weeks behind schedule.

Chemical manufacturers are now spending in excess of $20 million and federal government agencies an additional $5 million for pesticide research, NAC reported. According to the association, this represents a jump of 150 percent in research spending since 1950.

### Price Trends

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Fishmeal, $2 per ton
Fishscrap, $2 per ton

**Reduced**

Blood, dried, Chicago, 50c. per unit-ton
Methyl Parathion, c.l., 7c. per pound
Nitro-sludge, 50c. per unit of ammonia
Tankage, Chicago, 25c. per unit-ton

**Comparative Price Indexes**
(100—1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 109.66 | 109.46 | 109.54 | 110.70 |

*For Current Prices See Page 9*

## Animal and Plant Foods

**Ammonium Nitrate**—A major producer announced last week that effective August 1 it will cut the base price of its ammonium nitrate fertilizer $2 from $72 to $70 per ton. It will also allow seasonal discounts on all orders placed from August through December, making the price $65 per ton in August, $66 per ton in September, $67 per ton in October, $68 per ton in November, and $69 per ton in December. Beginning January 1 and continuing through June 30, 1959, the price will be uniform at $70 per ton.

Production of fertilizer grade ammonium nitrate in March reached 217,501 tons, considerably above the 181,686 output of February and the 201,173 tons of March, 1957. The Census bureau also reported that inventories at the end of the month amounted to 261,596 tons, down slightly from the 268,542 tons held by producing plants the last day of February.

**Ammonium Sulfate**—A major producer announced last week that effective July 1, granular sulfate of ammonia will become $35 per ton in bulk, and $40 per ton in bags, both f.o.b. plant. This represents an increase of $1 per ton over present prices. The company announcement also stated that freight equalization will be allowed only against points producing granular sulfate of ammonia.

On the international scene, Japan is currently trying to find buyers for 200,000 tons of ammonium sulfate originally destined for Communist China. Trade between the two countries was suspended in mid-May when Japan accused China of trying to influence her elections. It's reported that Communist China is now willing to resume trade negotiations but the Japanese, duly proud, were still seeking out customers for their material early last week.

Korea is in the market for sulfate and modest interest is reported from Latin America.

Output of synthetic ammonium sulfate in March amounted to 101,116 tons against 80,777 of the preceding month and 97,834 tons of March, 1957, according to information received from the Bureau of Census. Stocks remaining at producing plants as of March 31 totaled 41,912, approximately 10,000 tons less than those held a month earlier.

Byproduct sulfate production in March was measured at 53,001 tons, slightly above the 48,375 ton output of February but far below the 80,748 of March, 1957. Inventories held at producing plants at month's end dropped to 44,662 tons from 69,103 of February.

**Anhydrous Ammonia**—A leading producer recently announced that the price of anhydrous ammonia in effect during the period January 1-June 30, 1958, will be continued through December 31, 1958. Delivered cost will be equalized against competitive producing points, the company announcement also stated.

The Census bureau reported production of synthetic anhydrous ammonia in March to be 339,015 short tons as opposed to 286,734 in the preceding month and 320,733 in March a year earlier. Stocks rose to 225,613 tons by month's end from 212,085 in February.

**Animal Proteins** — Improved pasture feed conditions have resulted in less demand for manufactured feeds and consequently less call for dried blood and tankage, causing prices on these materials to weaken further last week. The Chicago posting on dried blood declined 50c. to $6.75, that of tankage 25c. to $7.25 per unit ton.

Fishmeal and fishscrap were quoted at the top of the price range last week at $133 and $129 per ton, respectively. A man in the trade attributed the steady market and higher prices to the fact that production is approximately two weeks behind schedule, resulting in fairly limited supplies.

**Superphosphate**—Production of superphosphate and other phosphatic fertilizers in March amounted to 230,127 short tons (100% A.P.A.), compared with February output of 210,399 short tons, the Census bureau reported. Shipments of superphosphate and other phosphatic fertilizers during the month totaled 216,857 tons, or an increase of 29 percent from the volume shipped during the previous month. Stocks held at producing plants as of March 31 totaled 358,883 short tons, or 13 percent less than those held at the end of February.

## Pesticides

**Calcium Arsenate**—Production in 1957 dropped to an estimated 20 million pounds from 27,106,000 of the preceding year. This was presumably due to competition from organic phosphates for the control of resistant strains of boll weevil on cotton, the Agriculture Department reported. End of season stocks of calcium arsenate were somewhat higher in 1957 than in 1956.

**Malathion**—While the majority of pesticide chemicals are moving in rather routine fashion, malathion continues to make steady sales gains, successfully invading markets long held by traditionally-used materials. And, according to trade sources, its use will become more widespread in the next few years.

Technical grade malathion is currently quoted at 89c. per pound, carlots, works.

**Methyl Parathion**—A major producer announced a price reduction amounting to 7c. a pound across the board last week. This established the carload price at $1.18 per pound, the less carload at $1.23. West coast prices were reduced similarly but a differential of 2 cents per pound between east and west coast postings still exists.

Among reasons offered for the price change, were poor cotton planting weather in the South this Spring which was said to have deterred pesticide movement and stiffened competition, and a rise in imports.

A reduction of 15 cents per pound was charted in mid-March.


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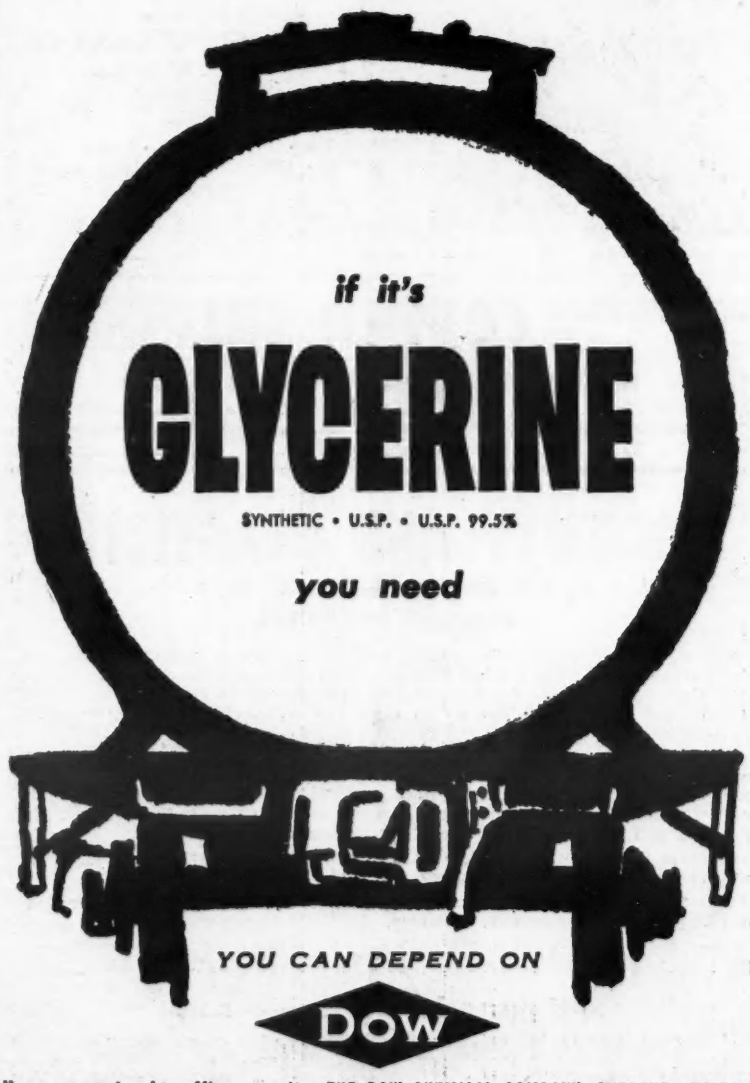


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# Aliphatic Organics

A leading producer struck another blow for lower prices last week, cutting acetophenone postings by approximately fifty percent. The move was designed to broaden the market for the chemical, it was said, though larger volume production was also mentioned as a contributory factor. The new schedule lists a drum carlot price of 37 cents per pound, a less carlot of 37¾ cents, and a tankcar price of 35 cents per pound, quoted on an f.o.b. plant basis. Acetophenone is used as a solvent or intermediate in the manufacture of pharmaceuticals, rubber chemicals, textile fibers, perfumes, and dyestuffs. New end-uses may be added to the standard pattern as a result of the price reduction but demand from established outlets, it's assumed, will increase.

Prices may tumble for whatever reason but comments from many people in the trade are nonetheless flavored with considerable optimism—and rightly so. Generally, the slight increase in auto output in the past few weeks and more heavy construction work while leaving no lasting impression on the organic chemicals market have given the trade some indication that the stage is being set for a business recovery. Also encouraging is the fact that new orders are becoming more frequent, reflecting depleted inventories at consumers' plants.

The recession still has a pretty firm grip on the auto industry, or maybe vice versa. But with this noticeable exception, demand from other coatings outlets has improved slightly, contributing to a better level of solvent sales.

The market for pentaerythritol has firmed up at the lower prices announced some months ago. It appears now that the major drawback to greater sales volume is that both paint houses and paint stores at the retail level are still burdened by rather heavy inventories.

A major organic chemicals producer has entered the diethylene glycol dimethyl ether field with a new product called "Poly-Solv D2M." According to the company, the new compound is sold as an anhydrous liquid and is inert in most chemical reactions. Peculiar chemical properties, reportedly, make it ideally suited for use as a reaction medium and as a solvent for certain inorganic salts.

**Acetophenone**—A leading producer took the ax to the price schedule early last week, cutting postings by about 50 percent. New listings include a drum carlot price of 37c. per pound, a less carlot of 37¾c., and a tankcar price of 35c. per pound, quoted on an f.o.b. plant basis.

Several factors are said to be behind the somewhat drastic price action. Paramount among them is the company's expressed intention of trying to expand the market for autophenone, limited in the past—and necessarily so—by cost factors. Also, larger volume production was said to have cut operating costs to the level where it was possible for the producer to pass on some savings to the user.

Acetophenone is employed as a solvent or intermediate in the manufacture of pharmaceuticals, rubber chemicals, textile fibers, perfumes, and dyestuffs.

**Butyl Alcohol**—Heavy export requirements (in excess of 10 million pounds in February as opposed to half that amount in the month prior) plus a slight improvement in domestic demand for butyl acetate, the largest single use of butyl alcohol, has imparted some stability to this market. Supplies and demand are thus fairly well balanced. Prices are said to be as firm as the times permit.

A plant for the production of butyl alcohol is due to come on stream in England sometime in 1959. Trade sources imagine that this will result in less demand abroad for US produced butanol. Exactly what limiting effect if any it will have on exports is, of course, a matter for speculation.

**Crotonaldehyde**—This is a relatively minor organic chemical, derived from acetaldehyde. It's estimated that somewhere in the vicinity of 70 million pounds are manufactured annually, of which 90 percent or more is used by the producers in the manufacture of synthetic butanol. It also gets into resins, drugs and dyes.

## Price Trends

**Advanced**
None

**Reduced**
Acetophenone, tech., dms., l.c.l., 37¼c. per lb.

**Comparative Price Indexes**
(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 130.62 | 131.12 | 131.20 | 131.17 |

*For Current Prices See Page 9*

Crotanaldehyde (91-93 percent) is presently selling at 24½c. to 25c. per pound, packaged in drums in less than carlot quantities, on a works basis.

**Epichlorohydrin**—The present price schedule lists carlots at 35½c. per pound, less carlots at 36½c., and tankcars at 33c. per pound on a delivered basis. Market is described as steady.

Epichlorohydrin is used as an intermediate in the manufacture of epoxide resins.

**Ethyl Acetate**—Still the major sales depressant was the sorry state of auto output. But with Detroit reporting a production increase in the last few weeks, the outlook is not as dark as it could be, or has been.

Overall demand was said to have made some strides forward in May. Generally this was true of the majority of large volume organic solvents.

**Ethyl Alcohol**—Ethyl alcohol finds wide usage in many industries and it is to this factor that trade sources ascribe the relatively well-balanced market picture. Orders while for limited quantities have been more frequent and in greater number in the last few weeks, market observers point out, which is some indication that industry is emerging from the recession.

Prices are unlikely to change as producers, for the most part, realize well that this is no time to hike prices even though such action could be justified by spiraling costs.

**Ethylene Chloride**—Conditions in this market were not too favorable at last report. Ample supplies were being met by fairly limited demand, it was said. The chemical was quotably unchanged.

**Mannitol**—Sales of this material, reportedly, have felt no harmful repercussions from the recession. Principal reason for this, of course, is that mannitol is used primarily as the basis for dietetic sweets, the market for which is broad and expanding. It also has certain pharmaceutical applications.

The price schedule is firm. Market men say there is little likelihood of any changes.

**Methanol**—Regardless of how shipping terms read—delivered, f.o.b. terminal, etc.—it's obvious that all producers intend to be competitive in a market faced with burdensome supplies and waning buying interest. Those in the trade of optimistic bent are hoping that lower prices will attract more buyers and eventually balance this awry supply-demand situation. Others feel that no upsurge in business is likely immediately. They point to the fact that urea-formaldehyde resins, glues, widely used in the plywood bonding trade, are currently in a weak demand position.

Back of the recent price adjustments, it's been said, was the need to clarify a rather cloudy price picture. Evidently, underpricing was occurring in certain quarters. Then too, on the basis of the old theory of supply and demand, a more realistic price structure was warranted, certain of the trade have remarked.

The only certain outcome of the price reduction will be lower profits, of course, for the producer. Possibly, it will stall further expansion also.

**Molasses**—Agricultural Marketing Service reported that markets for feeding cane molasses were steady throughout most of the country during the week ended June 10. Demand was slow to moderate, supplies adequate at all price reporting points. Many users of blackstrap were said to have previously contracted for most of their summer needs. New business was

## Aliphatic Organics

largely to complete current or nearby requirements of the feed trade.

Prices at New Orleans were unchanged at 14.25c. to 14.50c. per gallon.

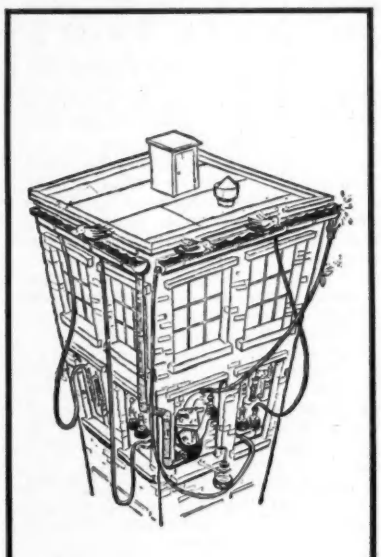
Hawaiian cane blackstrap shipments to the US mainland during May 1958 amounted to 239,571 gallons compared to 393,642 in April and 5,070,165 in May 1957.

**Monomethylamine**—A price reduction of 2 cents per pound in mid-January brought the quotation on tankcars of solution to 29c. per pound. That listing has remained in effect up to the present and is considered firm.

Inquiry has been moderate from several outlets including dyes and detergents. The chemical is amply available.

**Paraformaldehyde**—A price reduction amounting to 1.70 cents per pound was initiated by a leading producer May 8. It was occasioned by a price cut in formaldehyde, a competitive material.

New listings include a carlot price of 9.55c. per pound for 91 percent flake paraformaldehyde delivered in quantities of 1,000 pounds or more.

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**Pentaerythritol**—Except for those PE consumers whose business is tightly tied to the auto industry, buyers have evinced stronger interest in this chemical during the past few months, a man close to the market mentioned last week. As he saw it, the major drawback to a further business upswing was the fact that both paint houses and paint stores at the retail level were still under a heavy inventory burden.

Generally, trade men anticipate continued good business in the next few weeks. But a drop in the sales curve in July is likely, they say, when plant vacation shutdowns will once again be the order of the day.

**Perchloroethylene**—Postings last week were unchanged at 13½c. per pound in carlot quantities, 12¼c. per pound tankcars. Rumors were abroad that the rise in imports of this material had weakened domestic prices. A man close to the market reported, however, that there was no move afoot at the producer's level at least, to cut prices at the present time.

Demand in past weeks has been active, it was said, and continued good business is expected in future weeks.

Perchloroethylene is primarily used as a cleaning solvent.

**Sebacic Acid**—A price cut April 28 brought the carload posting on purified sebacic acid to 65½c. per pound, the less carlot to 67½c. A 3½c. reduction also was charted for CP sebacic, establishing the carlot price at 69½c. per pound.

A spokesman for a leading producer attributed the price break to decreased costs for basic raw materials.

This chemical enjoys a wide range of specialized uses which makes large scale production possible. Demand, as a result, fluctuates less than for those chemicals whose end-use pattern is tied pretty closely to one or several industries. Recently, trade sources said that buying interest was steady. They found no appreciable spurt in buying since the price reduction, however.

Included among the many outlets for sebacic are plasticizers and jet lubricants.

**1,1,1-Trichloroethane** — An across-the-board reduction of one cent per pound, effective May 26, brought the tankcar posting to 12.75c. per pound. A producer stated that savings realized on operating costs due to larger volume production made possible the price revision.

**Vinyl Chloride Monomer**—Current prices range from 11c. to 12½c. per pound tankcars, works. Little change in market conditions has been noted in recent weeks. Demand has held up moderately well against a background of ample inventories at the producer's level.

### *Administration Blows Up*

*—Continued from page 4*

try, and would place the gas in storage against future needs in the bureau's Cliffside field in Texas.

Bureau officials state that since it became known that the government was interested in getting private industry into helium production, there has been a considerable amount of interest shown in the project. They are confident that satisfactory arrangements can be made to put the program into operation if congress approves the changes in the law now being drawn up.

It is estimated that unless plants are built to siphon off the helium content of the gases now being burned for fuel, the nation will suffer an irreplaceable loss of about 32 billion cubic feet of the gas over the next twenty-five years.

### *Dewey Quits 'Retirement'*

*—Continued from page 4*

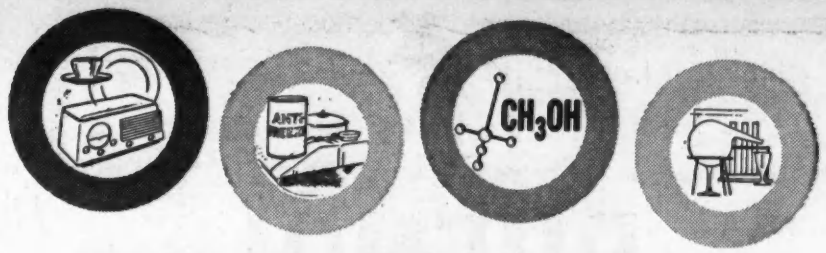
Corporation of New England, Providence, R. I. He had also been associated with Versenes, Inc., and Bersworth Chemical Company.

Mr. Weisberg founded Alrose Chemical Company (now a Geigy subsidiary), along with several other successful chemical operations. He has been head of his own research and consulting laboratory in Providence, and was previously active in United Chemical Company of New England with Dr. Singer.

Mr. Lawrence will direct Hampshire Chemical's sales and marketing activities. First associated with Cranston Print Works, he later joined Dow Chemical Company. He was connected with Dow in sales capacities for about eighteen years. He had been Dow's Boston and New England sales manager.

### Becco Names Sales Chief

Food Machinery & Chemical Corporation's Becco Chemical Division, Buffalo, N.Y., has named Edward M. Roth, jr., manager of the company's upper New York sales territory.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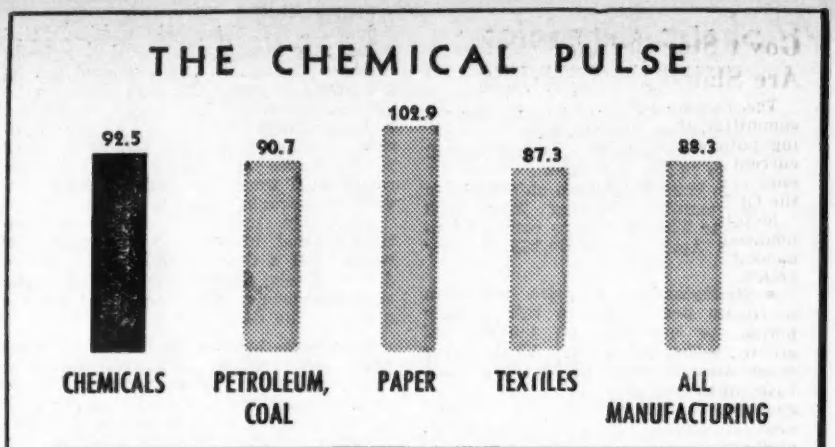


## *Paint, Chemical Industries*

*—Continued from page 7*

man W. Zabel, executive vice-president of Roger Williams Technical & Economic Services, Princeton, N. J.

Mr. Zabel pointed out that although the chemical industry is not a prime producer of materials for the building industry, it furnishes products for the preparation or fabrication of numerous products used by the builders.

Wood, he said, requires chemicals for preservatives, fire retardants and adhesives. Masonry, on the other hand, does not always need chemical products, but quantities of chemicals are used in various phases of cement work.

**Steel, Electrical Requirements**

Steel used in buildings requires little or no chemicals but electrical components do for insulation and other uses, the speaker went on.

Asphalt uses some but not many chemicals, the speaker said and then went on to the surface coating business, which, he said, was a major user of chemicals in the construction field.

Mr. Zabel added that the glass industry uses some chemicals and that the floor covering industry is used many types of chemicals. Of the various floor coverings, only vinyl tile came from the chemical industry, the speaker concluded.

## *Synthetic Resins Industry*

*—Continued from page 5*

plied to this field is either pre-fabricated pipe covering shapes or blocks and boards for lagging large cylinders, tanks, and other equipment.

"With the pre-expanded plastic materials, shaping and fitting for pipes and equipment must be done in the field or pre-cut by a fabricator. Cutting and fitting foamed boards to complicated shapes may result in a high percentage of waste. Making insulated coverings of this type from phenolic or urethane may be readily realized. Spraying offers economic possibilities. The insulation of tanks and equipment having curved surfaces can be well accomplished with pre-cut lags. Large cylindrical tanks and vessels may be insulated with cellular polystyrene boards by actually bending the boards around the tanks. In the field of pipe and equipment, flexible foams and the foaming-in-place materials would appear to have a healthy future."

Another field exists for plastics in roof insulation, the Dow experts state. They speak of the roofing opportunities this way:

"Some authorities have estimated the market potential for roof insulation to be as high as 700 million board feet per year. Since this includes insulation on roofs of all structures throughout the country, a more realistic potential for foamed plastics might be in the range of 400 million or 500 million square feet. Insulation for this application must meet the previously indicated requirements plus sufficient structural strength to withstand normal roof traffic over a built-up roof. The thickness conventionally used ranges from ¾-inch through two inches.

"One of the problems with some cellular plastics for roof insulation is the high temperature reached during the application of the hot bitumen used to make the built-up roofs. It is necessary to protect the surface of polystyrene foam with a thin, heat-resistant layer which will withstand the temperatures involved. Portland cement mortar, fiberboard, and thirty-pound felts have been found satisfactory for use as protecting media. Future development for roof insulation should be in higher heat distortion cellular plastics."

## Plunkett Elects President

Plunkett Chemical Company, Chicago, has elected Carl E. Jenson president. Mr. Jenson, also named president of Plunkett Chemical Company of Canada, was a vice-president and general manager of Plunkett in Chicago. He was previously with Illinois Tool Works.


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## Gov't Stockpiling Policies Are Slated for Updating

The recommendations of the Pettibone committee that the government stockpiling policies be brought up to date with current conceptions of a military emergency are being put into effect June 30 by the Office of Defense Mobilization.

Mobilization Director Gordon Gray announced last week that the following fundamental changes are being made in the policy:

- Strategic and critical materials will be stockpiled for a three-year emergency period. "Basic" and "maximum" goals are to be established for each material. When established, it is expected that the basic objective will have little effect on new procurement because since last July new commitments have been limited generally to meeting the needs of a three-year emergency. Stockpiling since World War II had been for a five-year emergency period.
- Materials now on hand which do not meet specifications may be processed to stockpile standards within the limits of maximum objectives when this can be accomplished at less cost to the government and the purchase of new specification-grade materials.
- In order to meet the initial impact of intensive mobilization, materials may be processed in some cases to readily usable forms in amounts generally equivalent to a six-month's requirement, unless an interagency review indicates the need for a larger or smaller amount.

## *MCA Elects McClure*

*—Continued from page 5*

Fred C. Foy, president of Koppers Company, Pittsburgh, Pa., was elected an MCA vice-president.

M. F. Crass, jr., full-time secretary-treasurer, was re-elected.

Directors elected for the term expiring May 31, 1961, included:

R. L. Cunningham, president of Ohio Ferro-Alloys Corp., Canton, Ohio; J. Robert Fisher, president of Gamma Chemical Corporation, New York; Joseph Fistere, president of Mallinckrodt Chemical Works; St. Louis, Mo.; Marlin G. Geiger, executive vice-president of W. R. Grace & Co., New York; W. G. Malcolm, president of American Cyanamid Company, New York; R. C. McCurdy, president of Shell Chemical Corporation, New York; Glen B. Miller, president of Allied Chemical Corporation, New York; Charles S. Munson, chairman of the board, Air Reduction Company, New York; Hans Stauffer, president of Stauffer Chemical Company, New York; and James C. White, president of Tennessee Eastman Company.

John L. Gillis, vice-president of Monsanto Chemical Company, St. Louis, Mo., was elected a director for a term expiring May 31, 1960.

Raymond F. Evans, president of Diamond Alkali Company, Cleveland, Ohio, and S. B. Penick, jr., president of S. B. Penick & Co., New York, were elected directors for terms expiring May 31, 1959.

## *DMEA Friends Put Up*

*—Continued from page 5*

of the Interior. The pending legislation would continue it in the Interior department.

While the move of the minerals subcommittee to establish it as a permanent organization does not have the blessings of the administration, neither does it face any formidable objections. In testimony before the senate interior committee last April, Secretary Fred A. Seaton supported legislation to finance a continuation of the DMEA-type of program on the basis of annual appropriations.

As matters now stand, DMEA has announced that funds to finance new mineral exploration contracts will not be available after June 30. Exploration project contracts in effect on June 30 will be continued until terminated in accordance with the contract provisions, but no new contract will be approved after that date.

Applications for financial assistance will be accepted until June 30 and processed in accordance with established procedures, insofar as time permits. Effective immediately, the government financial commitment will not be increased in any existing contract where results to date have progressed to a point at which a certification of discovery or development can be issued.

If the agency is made permanent or continued on a year-to-year basis, the applications pending but not acted upon by June 30 will be considered for processing, at the request of the applicant, under rules and regulations to be established by DMEA. As of June 1 there were 148 applications on file.

Since its inception, DMEA has received 3,852 applications for financial assistance and has executed 1,122 contracts approving work estimated to cost a total of $54,702,320, with maximum government participation of $33,688,513. Under the DMEA program, exploration for critical and strategic minerals has been conducted in forty-three states and Alaska.

## *Mint Crop Acreage*

*—Continued from page 7*

age 39 percent less than 1957 due largely to low returns for the 1957 crop and an increase in wilt infections. Michigan reported that fewer contracts and low prices along with windburn and frost damage in May caused acreage reduction. Wisconsin reported no winter damage of serious consequence. The Washington crop shows excellent stand and advanced growth for this date with little infect or disease damage.

The spearmint acreage in Indiana and Michigan is less than 1957, but the acreage in Washington is greater. Wilt infection hurt the Indiana acreage while wind and frost damage plus a moisture shortage are reported in Michigan. The Washington acreage has had favorable growing conditions and little ineffect damage is reported.


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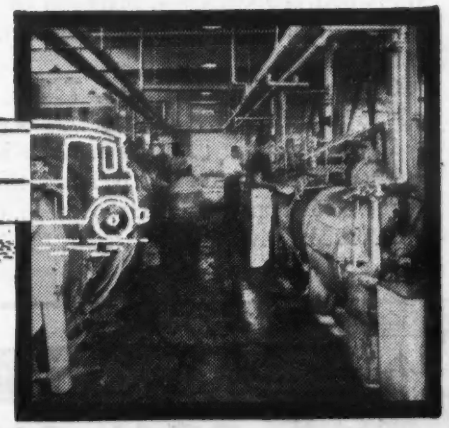

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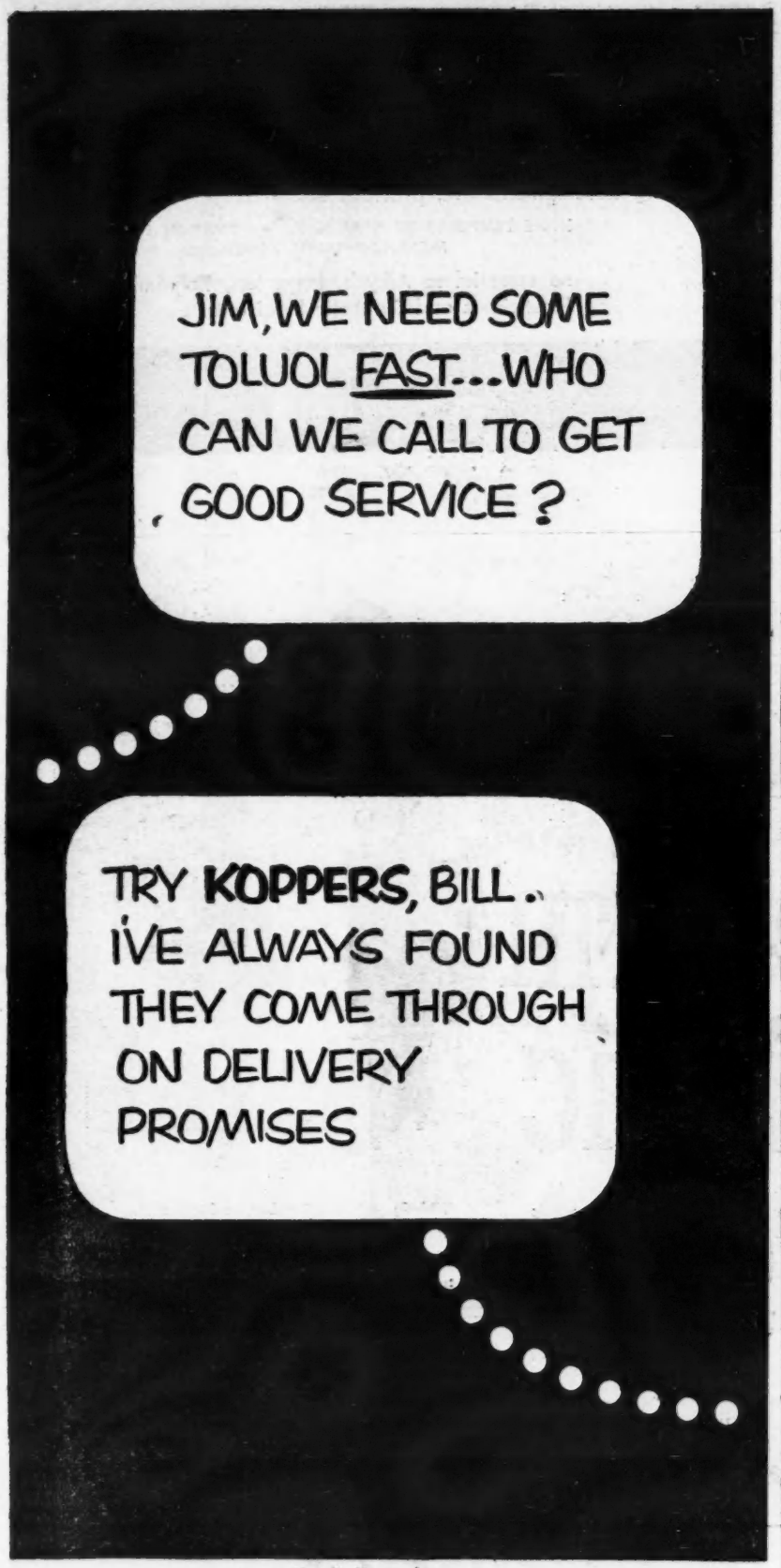
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# Coal Chemicals

Other sources in the industry indicated that they were going along with the $4 per ton increase on industrial pitches slated for July 1. No changes were contemplated for roofing pitch. Another announced third quarter change was a 5 cents per pound boost for m-phenylenediamine by a basic producer. The advance brought this material to $1.10 per pound. Other producers had increased their prices to this level at the beginning of the second quarter. The 5 cent reduction for diphenylguanidine went into effect at the beginning of the week. No other price changes were noted in aromatic chemicals markets.

A big question in steel circles continued to be whether or not a good part of current buying was a result of hedging on the part of consumers against an expected rise in steel prices next month. Many sources felt that low consumer inventories were playing an important part in the gradually improving steel picture.

Light oils listings were unchanged. All BTX solvents were freely available. Trade information indicated that xylene was very weak, but no price changes had been announced at press time. Toluene demand continued on the downgrade for solvents use. The substitute blends and some naphtha-

**July 1 Price Advances**

m-Phenylenediamine, 5c. per pound.
Pitch, industrial, $4 per ton.

diluted toluene materials were getting under the 25 cent price, but volume was reported small and confined to specific areas. Benzene market was quiet.

A supplier of chlorosulphonic acid reported difficulty in supplying consumer needs as a result of a month-old strike at a mid-west plant. Other suppliers were moving in to fill the gap. Synthetic phenol, also made at the plant, was supplied from other works and outside warehouses, it was said.

Creosote schedules were steady after the changes two weeks ago. Demand from railroads has been poor. A large consumer in the utilities field was said to be using creosote and 2 percent pentachlorophenol treatment where penta alone had been used before.

American Iron and Steel Instiute reported steel production in the week ended June 8 amounted to 62.4 percent of theoretical capacity. Estimated steel output in the week ended June 15 was 1,723,000 net tons while actual output in the week previous was 1,685,000 tons. Production in the comparable week one month ago was 1,412,000 net tons and 2,214,000 tons in the corresponding week one year ago.

Ingots and steel for castings made during May was the highest for the year at 6,306,000 net tons and compares with previous month's output of 5,532,991 tons and 9,792,323 net tons in May of last year.

## Price Trends

**Advanced**
None

**Reduced**
Diphenylguanidine, 5c. per lb.

**Comparative Price Indexes**
(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 118.11 | 118.12 | 118.13 | 118.20 |

*For Current Prices See Page 9*

## Basic Products

**Benzene**—Cokeoven operation rates in the steel industry were up about eight to twelve points from the low level reached in March. As a result, the steady reduction of benzene and other by-product inventories at steel plants have leveled off and were expected to begin building again as the summer doldrums take hold.

The big question was whether or not current rising steel demand was largely a result of hedge buying on the part of consumers against an expected increase in steel prices next month. In some quarters, low consumer inventories all along the line, including bulk chemicals, were felt to be playing an important part in the increased industrial activity of recent weeks.

Production of benzene at cokeovens in April amounted to 8,486,915 gallons as against 9,980,671 gallons in the previous month and 15,826,081 gallons in the comparable month one year ago. Output for the first quarter totaled 38,424,753 gallons compared to 64,941,776 gallons in the same quarter last year.

Sales of cokeoven benzene in April were 8,267,217 gallons as compared to 8,669,697 gallons in the previous month and 14,899,278 gallons in the corresponding month last year.

Stocks, end of month, were 11,395,150 gallons at the close of April as compared to 11,647,095 at the end of the previous month and 7,495,171 gallons in the corresponding month last year.

**Creosote**—Price on straight oil meeting specifications of the American Wood Preservers' Association, was 20c. per gallon in tankcar quantity. Solution, 80 percent, was quoted at 19.2c. per gallon while refined creosote oil for specialized coatings was 33c. to 35c. per gallon in tanks.

Producers continued to report poor demand from railroads for tie replacement. Other uses were minor by comparison. A large consumer was said to be using a creosote and about 2 percent pentachlorophenol mixture whereas penta alone had been used previously.

**Cresylic Acid**—Overall market remained weak. Movement of higher boiling acids has been poor as a result of pressure from petroleum and import sources of supply, it was said. However, importers have also recorded poor trading conditions for several weeks. Sources looked for little improvement before the fall months.

**Naphthalene**—Imports continued to form an unsettling influence in the market, but trade sources said the situation had not deteriorated noticeably from conditions in effect for many months. Domestic price listings were unchanged at 7c. per pound in bulk while the import price continued to range around 3¼c. to 3½c. per pound. Phthalic demand was slow for use in alkyd resins but plasticizer use had helped to shore up the market somewhat. Some sources felt the plasticizer market for phthalic would grow to eventually equal or exceed that of alkyd resins.

**Pitch**—Other sources in the industry were going along with the $4 per ton price advance slated for July 1. Advances apply to industrial pitches only and no action was contemplated on roofing pitch.

Under new schedules, price of coaltar aluminum pitch and carbon pitch will be $44 per ton, bulk, works. Core pitch will be $40.50 per ton and fiber pitch will list at $48 per ton, same basis.

**Tar Acid Oil**—Prices were unchanged from levels in effect for many months. Material of 15-18 percent listed at 43½c. per gallon in tanks while 25-28 percent material, same quantity, was 50c. and 50-53 percent in tanks was 65c. per gallon.

**Toluene**—Market continued quiet and unchanged from last report. There were rumors of price weakness in some locations. However, trade sources felt volume was small and probably consisted of blended substitutes or toluene diluted with naphtha which is of lower aromatic content and could not be compared with pure toluene.

The rising steel rate, in a slow solvent season, was expected to build inventories for cokeoven operators. Bureau of Mines report shows April end of month stocks of nitration toluene amounted to about 2.9 gallons as against 2.9 million in the previous month and 3.2 million at the close of the comparable month last year.

**Xylene**—The market for coaltar xylene remained unchanged. Sources pointed out that output is small, in comparison to total market volume, and usually moves into consuming channels with an occasional minor inventory problem. Currently, movement of coaltar material was slow and inventories have moved up slightly but not significantly, it was said.

The overall market, including all sources, continued weak as a result of oversupply. Output in the first three

# Coal Chemicals

months of the year exceeded last year by about 16 million gallons.

Production of cokeoven xylene in April was 656,242 gallons as against 680,088 in the previous month and 935,022 in the comparable month last year. Sales during the month amounted to 586,611 gallons compared to 699,534 in March and

### Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending June 15, was as follows:

| | | |
|---|---|---|
| Ammonia liquor | lbs. | 506,869 |
| Ammonium sulfate | lbs. | 27,787,695 |
| Benzene | gals. | 2,748,357 |
| Coaltar | gals. | 13,325,018 |
| Crude chemical oils | gals. | 349,176 |
| Solvent naphtha crude, heavy solvents | gals. | 90,110 |
| Toluene | gals. | 585,715 |
| Xylene | gals. | 168,956 |

937,369 gallons in April 1957. End of month stocks were 930,582 gallons in April and 881,660 in the previous month and 736,728 in April of last year.

## Intermediates

**Chlorosulphonic Acid**—Supply from one producer has been drastically curtailed as a result of a month-old strike at a midwest plant. Report from this quarter indicated that other suppliers had begun to move into this market area to fill the gap.

**Ethylbenzene**—Price was unchanged and market volume was being maintained at a moderate level. Production of ethylbenzene, by a petroleum source, as an intermediate step between xylene fractions and styrene monomer was considered impossible by many in the industry two years ago and whether or not it would become more significant in the future was a matter for speculation among coaltar benzene producers.

**m-Phenylenediamine**—Effective July 1, a major producer will increase the price of this material 5c. per pound from $1.05 to $1.10. Other major sources had advanced price to the $1.10 level in the second quarter.

**Phthalic Anhydride**—Alkyd resins sales continued slow following the trend of industrial activity in the automobile industry. Plasticizer volume has helped to shore up the market with flurries of sales having been noted since the first of the year. Price remained firm and sources looked for no changes in this market.


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# Jobs & People

American Cyanamid Company, New York—**Dr. Wilbur A. Malcolm,** president of American Cyanamid was awarded an honorary doctorate of law last week by the University of Maryland.

Carwin Company, North Haven, Conn.—**Charles F. Blaich, jr.,** has joined the company as a technical sales representative.

Celanese Corporation of America, New York—**Kenneth A. Scott** has been shifted from the chemical division's product development department to its technical and economic evaluation department.

Chemical Service Corporation, New York—**G. J. Wiesner,** formerly with Goldynne Chemical Company, has joined Chemical Service as supervisor of sales development.

Columbian Carbon Company, New York—**Donn Snyder** has been tranferred from Boston, Mass., where he was manager to New York as assistant to the sales manager. **Thomas E. Weaver** succeeds Mr. Snyder in the Boston post. **John F. Stiff** has been shifted to New York as eastern district sales manager. **Edward I. Bosworth** has moved from Akron, Ohio, to Detroit, Mich., replacing Mr. Stiff.

Gamma Chemical Corporation, Great Meadows, N. J.—**Crellet Collins** has been named plant manager at the Great Meadows facility and **Ronald G. Crozier** has been named assistant plant manager. Mr. Collins was formerly a production superintendent with American Cyanamid Company; Mr. Crozier was previously connected with Abbott Laboratories.

Hercules Powder Company, Wilmington, Del.—Three appointments in the rubber chemicals division of Hercules' paper makers chemical department have been announced. They are: **Robert W. Little** named assistant sales manager; **David I. Johnson,** manager of the Akron, Ohio, sales office, and **Robert W. Turner,** sales representative in the Akron office.

Eli Lilly & Co., Indianapolis, Ind.—**Kenneth G. Kohlstaedt,** director of Lilly's clinical research division, has been given the first certificate of appreciation for meritorious service to be awarded by the American Academy of General Practice.

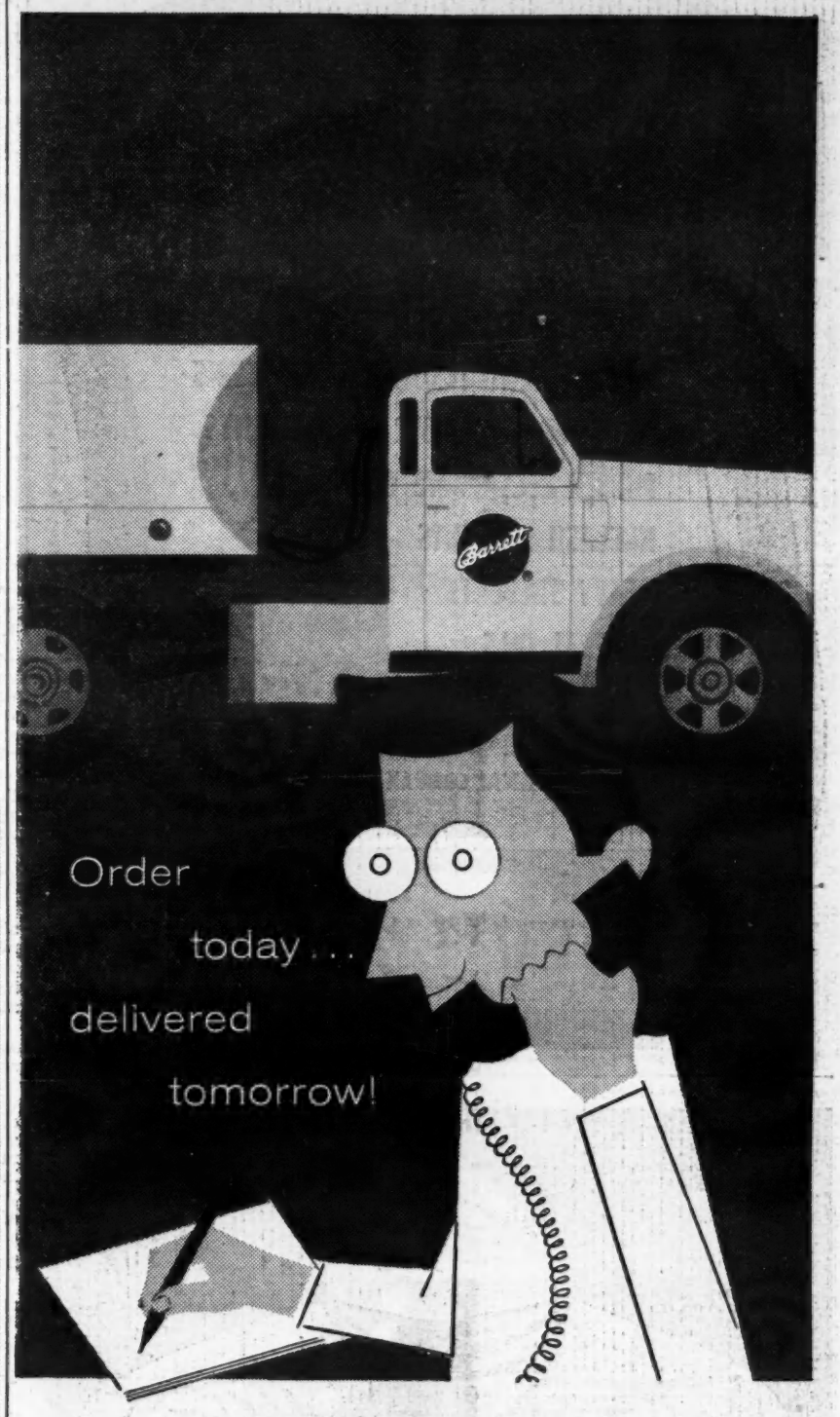
National Lead Company, New York—**Allan G. Davies** has become New York district sales manager for National Lead's Titanium Pigment Corporation. **Henry E. Melvin** has been transferred from Los Angeles to San Francisco as senior salesman. **David A. Sonnemair, jr.,** is now a salesman in Los Angeles.

Chas. Pfizer & Co., New York—**Herbert H. Bell** has been appointed a professional service representative with the Pfizer Laboratories Division.

Pitman-Moore Company, Indianapolis, Ind.—**Charles F. Harrison** has been named controller. Mr. Harrison has been assistant controller since joining the company in 1954.

Sterling - Winthrop Institute, Rensselaer, N. Y.—**Charles E. Alford** has been appointed director of personnel and public relations. Mr. Alford joined the institute as a research pharmacist in 1946.

Van Ameringen-Haebler, Inc., New York—**Byron N. Thompson** has joined the company as technical service representative in the aromatic chemical department. He was formerly with Glidden Company.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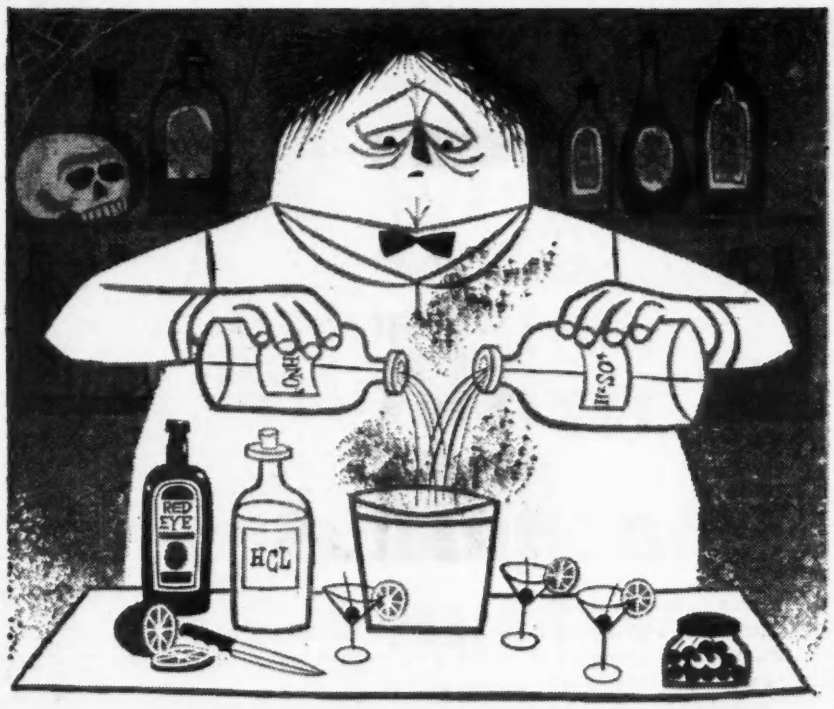


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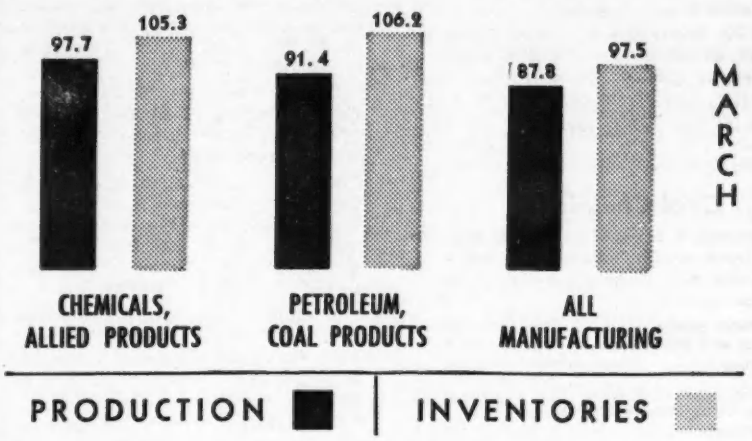


Sources: Federal Reserve Board, Department of Commerce. 100=same month in 1957. Production and inventories are seasonally adjusted.

# *US, Soviet 'Longevity Race' Proposed*

*—Continued from page 3*

posed the following six-point program, which he described as "some of the things we will have to do in order to win":

- Greatly expand our medical research effort.
- Train more doctors—"enough to meet the pressing needs of our growing and ageing population, to provide for the needs of a great deal more medical research and to assist in raising the health standards of the under-developed countries."
- Establish a bold new foreign medical aid program as a companion to our technical assistance effort.
- Raise the standard of living and health of the less privileged groups in our society.
- Make a concerted drive to unlock some of the mysteries of the process of ageing, of heart disease and cancer. "A major breakthrough on cancer or cardiovascular diseases," he said, "which will come, I am convinced, only through greater emphasis on basic research, could raise our life expectancy to seventy-five in almost one giant leap."
- Lift preventive medicine to the status of equal partnership with the curing of disease.

**Two Factors: Research, Drugs**

The two factors that have probably contributed most to the improvement of America's health in the past decade, Mr. Connor stated, were medical research and the development and production of new drugs.

His analysis showed that the Russians "were well behind the West" in medical research and that the weakest part of the Soviet system of medicine is its state-owned and managed pharmaceutical industry.

"As for drugs," Mr. Connor said, "I have searched rather diligently and have yet to unearth a single important one that the Russians have developed on their own. They admit this. In the summer of 1956 the official text of their five-year plan for pharmacology made the following uncharacteristic confession: 'In the search for new therapeutic agents, (the Soviet Union) still lags behind the large capitalistic countries'."

In his report, Mr. Hull lent special emphasis to the Chemical Industry Activity Committee's Program.

He had this to say:

"The most significant work in this field, both for the present and the long-range business climate of the industry, was the study by the Public Relations Advisory Committee on public relations problems of the industry. Copies of this study were sent to all executive contacts and offered to them for distribution within their companies. This was followed by a national public attitude survey.

**Public Relations Role Cited**

"These two activities show that the chemical industry does, indeed, enjoy a generally favorable business climate, which has been nurtured by wise public relations activities.

"But they also show that we face definite public relations problems which, if not corrected, can seriously affect the operations of our member companies, including acceptance of our products.

"I am glad to report that the PRAC is developing positive and definite programs to combat adverse public attitudes. I strongly recommend that each company study these problems and give them careful consideration in all their public relations activities, because these are problems that affect all of us."

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# Textile, Leather Chemicals

Consuming demand for textile and leather chemicals continued for moderate quantities for immediate requirements last week. The bulk of purchases was chiefly for less carlot quantities, with buyers showing no disposition as yet to build inventories. While business was light, prices remained unchanged and generally steady. New business in chemicals was spotty. Sizing materials were in fair request for spot delivery. Potato starch was well held at prevailing prices. Tapioca flour was quiet and unchanged.

Some improvement was noted in demand for tanning materials for nearby shipment. Primary markets were unchanged, except for myrobalans, which declined $8 per ton as a result of lower ocean freight rates.

Shoe production in April was placed at 46,415,000 pairs, by the Department of Commerce, 11.9 percent smaller than a year ago, bringing the output for the first four months to 200,314,000 pairs, representing a decline of 4.8 percent from the corresponding period of 1957. Production of all types, with the exception of women's sandals and play shoes which were up by 1.0 percent, failed to match April, 1957 output. Youths' and boys' shoes, which had been running ahead of a year ago, dropped 19 percent below April of last year.

The percentage of shoes in the April production with all and part leather uppers and leather soles moved downward from a year ago. The average factory value of shoes shipped in April was $3.46 per pair compared with $3.58 a year ago, a decline in price of 3.4 percent.

The weekly average rate of fiber consumption on the woolen and worsted systems in April was 9 percent below March and 23 percent below April, 1957, according to the Census Bureau.

The weekly average raw wool consumption during April was 5.298 million pounds (scoured basis) or 12 percent below March and 33 percent less than April, 1957. Consumption of apparel class wool was 3 percent below March and 25 percent below April, last year. Consumption of carpet wool was 27 percent below the preceding month and 47 percent below April, 1957.

### Price Trends

**Advanced**

None

**Reduced**

Myrobalans, gen. J1's, $8 per ton
crushed, $2 per ton
Bombay, $8 per ton

**Comparative Price Indexes**

(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 100.30 | 101.83 | 101.85 | 107.04 |

*For Current Prices See Page 9*

## Chemicals

**Bichromates**—Deliveries against existing contracts continued in good request, with spot demand light and spotty. All grades were maintained at former levels.

**Hydrogen Peroxide** — Fair volume of business was reported for prompt delivery. Market was steady at current quotations.

**Sodium Hydrosulfite** — Demand was slightly better for immediate delivery. Market was unchanged and steady.

**Sulfonated Oils**—Activity was limited to actual needs. Quotations were without change.

## Sizing Materials

**Albumin Egg**—Recent sharp reduction in price brought out increased buying interest for nearby delivery. Business was fairly active. Flake was unchanged at $1.19 to $1.21 per pound, and powder, $1.23 to $1.25 per pound, spot, according to quantity. Technical moved moderately for actual needs at the price range of $1.08 to $1.10 per pound, same basis. The Department of Agriculture reported egg production in May at 5,543,000,000 against 5,495,000,000 in April; 5,615,000,000, May last year and 5,664,000,000, the 10-year May average.

**Corn Dextrin**—This market remained unchanged and steady. All grades in fair request to actual needs. Gum was quoted to $9.40 per 100 pounds, paper bags, carlots, New York basis; dark canary, $9.24; light canary, $9.14 and white, $8.98, same basis. Less carlots were 15c. higher.

**Corn Starch**—Consumers continued to take moderate lots for immediate delivery. Market was steady at unchanged prices. Pearl was quoted at $7.38 per 100 pounds, paper bags, carlots, New York basis and powder, $7.50. Less carlots were 15c. higher. Visible corn supply continued to drop and was reduced 1,193,000 bushels to 90,554,000 bushels for the week ended June 6, compared with 130,543,000 bushels for the corresponding week last year, it was reported by the Chicago Board of Trade.

**Egg Yolk**—Market was steady at the recent price drop. Business improved at the lower level. Stocks on spot were held at $1.27 to $1.29 per pound, depending upon quantity.

**Potato Starch**—Domestic starch is meeting with more competition from cheaper Dutch starch especially for delivery to southern points along the eastern seaboard with sales reported on the basis of 7.6c. per pound, carlots, f.o.b. eastern seaboard prompt shipment. Grinders in Maine were still operating on the end of the season supply of potatoes. Production usually ends about June 1. Carlots were available at 6½c. per pound, f.o.b. mills for prompt shipment. Business was restricted to actual needs, chiefly for less carlot quantities. On spot, prices were maintained at 8¼c. to 9¼c., exwarehouse, as to quantity. Idaho starch was unchanged at 6.35c., carlots, f.o.b. mills, less ½c. for shipment to eastern delivery.

The Department of Agriculture indicated early spring potato production at 3,904,000 hundredweight compared with 4,408,000 last year and 3,224,000 for the ten-year average; late spring potatoes at 27,145,000 hundredweight compared with 30,104,000 last year and 26,538,000 for the average.

Production of early summer potatoes was forecast at 9,574,000 hundredweight compared with 9,071,000 last year and 9,920,000 for the average.

**Rice Starch**—This market was unchanged and firm due to improved demand. Light stocks on spot were held at 14c. to 15c. per pound, exwarehouse, as to quantity and 1c. less exdock for early arrival.

**Sago Flour**—Light stocks were maintained at unchanged quotations. Demand was confined to actual needs. Raw was quoted at 7c. to 7¼c. per pound, exwarehouse, as to quantity and refined, 9c. to 9¼c., same basis. Singapore flour for shipment was quoted at 5½c., carlots, exdock, prompt.

**Tapioca Flour**—Trading was reported quiet, although deliveries against existing contracts moved in good volume. Brazilian flour was offered freely. Medium was quoted at 6½c. per pound, carlots, exdock, prompt shipment and A grade at 6.9c., same basis. Siamese flour was unchanged. B grade was available at 5.4c. to 5.45c. and A grade at 5.55c. to 5.6c., carlots, exdock, prompt shipment.

## Tanning Materials

**Cutch**—Offers for shipment were maintained at 7½c. per pound, carlots, exdock, prompt. Buying interest was more active.

**Myrobalans**—Shipments were sharply lower—$8 per ton, as a result of reduced ocean freight rates which will be in effect through August. This improved buying interest and trading. Genuine J1's was lower at $50 to $51 per ton, exdock, prompt shipment; crushed J1's, $65 to $66 per ton, and Bombay, $44 to $45, same basis.

**Quebracho Extract**—Moderate improvement was noted for prompt shipment. Business was booked at prevailing quotations. Solid clarified 64 percent was held at 10.8713c. per pound, carlots, exdock, prompt shipment and solid ordinary at 9.9228c., same basis.

**Valonia** — Offers for shipment were fairly steady. Consuming interest continued slow. Prices were without change and more or less nominal. Beards were quoted at $88 to $90 per ton, exdock; cups, at $66 to $67 per ton and extract, 11c. per pound, same basis.


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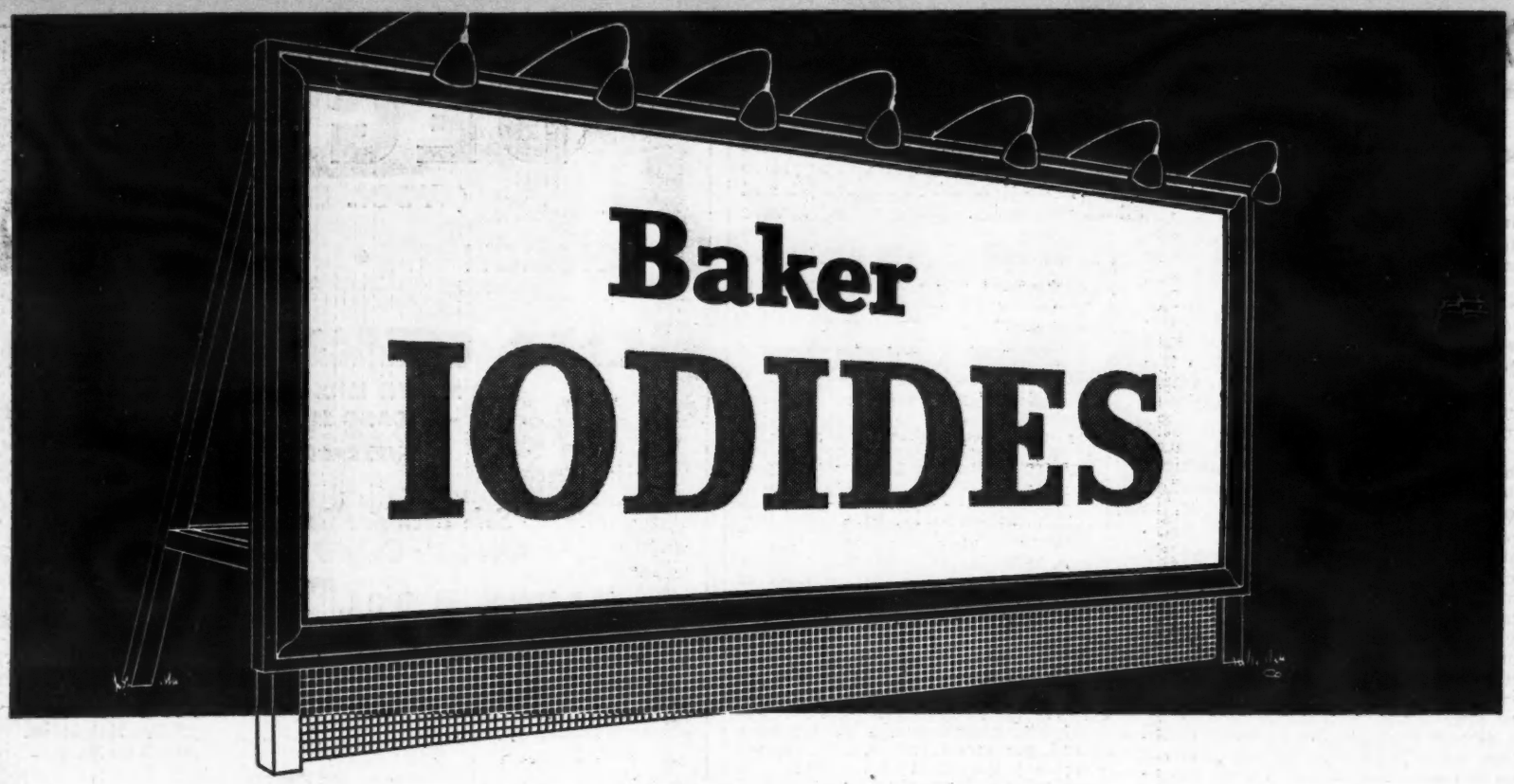


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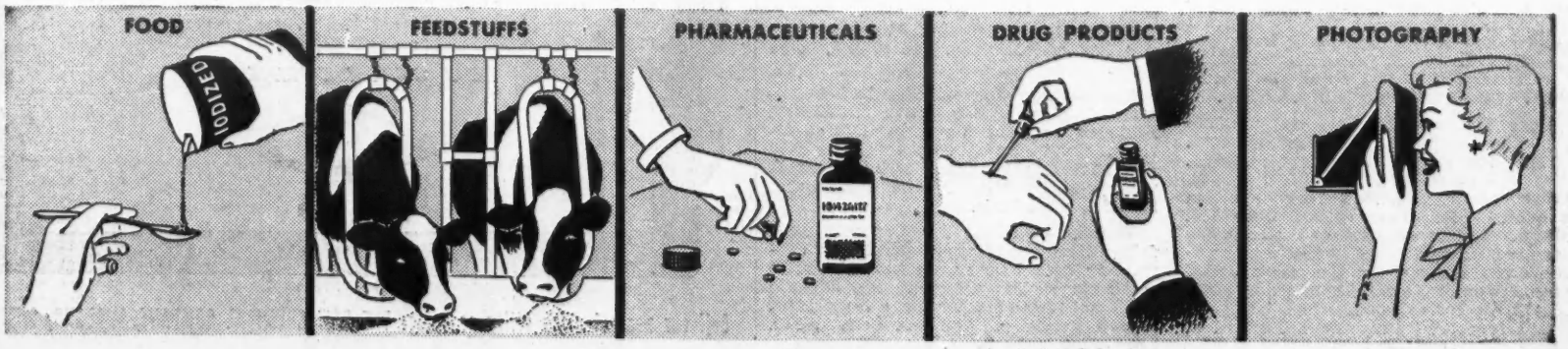


# Drugs, Fine Chemicals

Drug and fine chemicals markets were dull and without feature last week. Salicylates, bromides and narcotics continued on a seasonal downtrend as a result of slackening demand from pharmaceutical accounts manufacturing analgesic and antipyretic items. Some of the dollar volume contributed by these materials during the winter months was recovered by added interest in citric and ascorbic acids and caffeine for the beverage industry. Sodium benzoate was running to fair volume, it was said. Lysine and methionine markets were steady and unchanged from previous report as was the case with other amino acids.

Potassium and sodium glutamate, monobasic, were continuing on the increase in pharmaceuticals for dietetic purposes. Food use of the latter formed by far the bulk of market volume and consumption has been estimated at about 20 million pounds annually.

Vitamins were moving in routine volume with the exception of ascorbic acid which continued to enjoy widespread use in frozen and canned foods. It was hoped that heavy selling campaigns of vitamin makers this year, pointing up the need for vitamins in summer months as well as during the winter, would boost lagging sales volume. Prices were unchanged from previous report. Last price action in these markets was the $27 per kilo reduction in pyridoxine at the beginning of the month. Weakness in feed grade vitamin markets remained in evidence, niacin being a particular sore spot.

Aspirin movement was maintained at a moderate volume. Seasonal decline in new orders began to make itself felt at the close of April and volume has continued to hit a gentle decline. Estimated aspirin sales in 1957 amounted to about $28 million as against $26 million in the previous year. Production levels were said to be running slightly ahead of last year as producers were in the process of building adequate inventories against the heavy buying season next fall.

**Price Trends**

**Advanced**
None

**Reduced**
None

**Comparative Price Indexes**
(100—1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 63.13 | 63.13 | 63.19 | 63.83 |

*For Current Prices See Page 9*

**Aspirin**—Movement was maintained at a moderate level. Seasonal decline in new orders began to be noticebale at the close of April and volume has continued to hit a gentle decline. Sources felt the next few months would be slow, until late summer, when pharmaceutical houses begin to stock for the winter season. Estimated aspirin sales last year amounted to about $28 million as against $25 million in 1956. Production levels were reported continuing to run slightly ahead of last year as producers were building adequate inventories against any surge buying which might develop in the fall. Price was steady and unchanged from previous reports.

**Calcium Gluconate**—Inquiry has been well maintained on this item. Prices were steady and unchanged from levels of long standing.

A recent study indicated the superior stability value of calcium gluconate as an antacid compound with aspirin. Periodic assays of a combination 2 parts acetylsalicylic acid and 1 part calcium gluconate at room temperature and at 37.5 degrees centigrade, showed less than 1 percent free salicylic acid at the end of one year. Of 9 other commonly used antacid materials, free acid ranged from about 5 percent on up. Marked destruction of acetylsalicylic acid content was noted in less than a year in some cases, it was said.

**Citric Acid**—As well known as this organic acid is, sources reported new uses continued to be found and evaluated while established ones were being more widely developed. Large scale production has led to ready availability on all citric acid forms for a wide variety of end uses in the food and pharmaceutical fields. Industrial use as a sequestering agent has been on the increase.

**Digylcol Laurate**—Price was unchanged from prevailing levels. Last price action in this market was the 1c. reduction to 31¾c. per pound in 400-pound drums, f.o.b., works. Market was routine.

**Ethylene Glycol Monostearate**—Price was quoted at 33c. per pound in carlot while ton lots were listed at 34c. and drum quantities were 35c. per pound on a delivered basis. Market was steady and unchanged from last report.

**Gelatin**—Total production of all types of gelatin during the month of April amounted to 4,547,000 pounds as against 4,761,000 pounds in the previous month and 4,851,000 pounds in the comparable month one year ago. Production of edible gelatin in April accounted for 3,112,000 pounds while output of technical was 259,000 pounds with pharmaceutical amounting to 257,000 additional pounds and photographic material 919,000 pounds.

Total shipments of gelatin in April amounted to 4,993,000 pounds as against 4,788,000 pounds in the month previous and 5,413,000 pounds in the comparable month one year ago.

Stocks, end of month, for April were 14,437,000 pounds compared with 14,883,000 in the previous month and 13,525,000 in the like month one year ago.

**Lysine**—Major producers quoted price at the recently established $8 per kilo level. Continued intensified research efforts point up the market potential for this essential amino acid. Research efforts were said to be centered around nutritional value of lysine in specific foods, the value of lysine as a general dietary supplement, and the pharmacological properties of lysine.

Recent years have seen a sharp upsurge in research interest in amino acid metabolism. A major chemicals producer matabolism. A major chemicals producer was reported to have given $400,000 in awards to universities and medical schools and laboratories in the past five years, to supplement its own studies on amino acids.

**Monopotassium Glutamate**—Pharmaceutical use of this material for dietetic purposes was reported on the upsurge. Clinical research into heart and kidney diseases and cases of hypertension have pointed up the beneficial effects to be obtained from placing patients on a sodium-free diet. Price was steady and unchanged from previous report.

**Monosodium Glutamate**—Pharmaceutical business continued to exhibit good tone although volume was small compared with the amount of material moving to the food field. Price was steady and unchanged at $1.07 per pound. Food use has been estimated at about 20 million pounds annually.

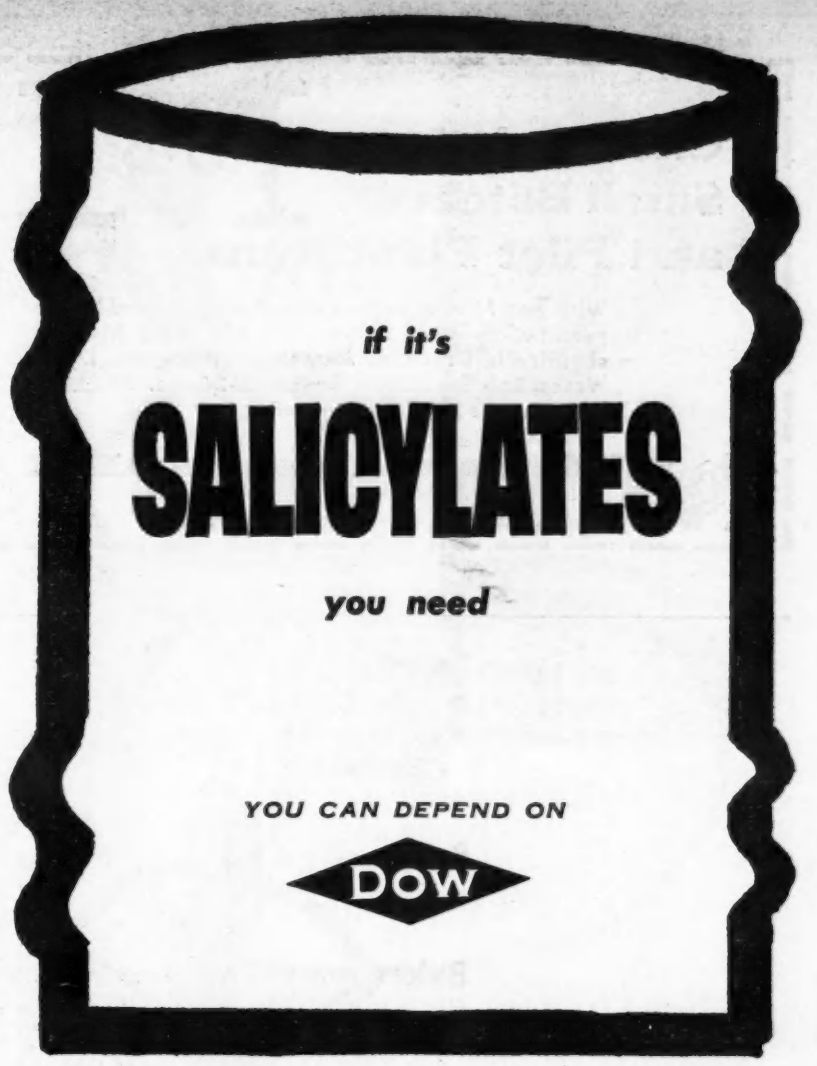
**Tetracycline**—Tariff Commission report indicates that production of tetracycline in March was 16,964,350 grams as against 14,452,170 in the previous month. Total in the first three months of the year was approximately 49 million grams.

A recent report indicates that tetracycline may be effective in prophylaxis and relief of asthmatic bronchitis in susceptible children. Side effects were infrequent and not serious, it was said.

# Botanicals

Spot market was featured by flurries of interest in both import and domestic items. However, buying was in hand to mouth quantity and consumers showed little inclination to up their requirements. Volume over the first two quarters has thus far been disappointing, according to report of sources last week. With new crop material on several large volume items due in at collection stations, it was hoped that this month would see added activity in both domestic and export markets.

Price listings by a western dealer in papain indicated purified white powder was available at $9 per pound. Prices

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**Matheson Coleman & Bell**
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were reported firm up to August 1 subject to stock available.

**Papain**—A western dealer quoted papain, white crude crum, activity 30 percent over NF VIII, at $8.50 per pound. White powder, same spec., was $9 and absolute powder, activity equal to NF VIII, was $7 per pound. Quotations were on 100-pound lots or more, freight allowed. Prices were said to be firm up to August 1 subject to stock available.

Market has been cramped supplywise for many months on this important enzyme found in the milky juice of the papaya melon. The juice, or proteolytic substance, is usually extracted from the skin of the melon while the latter is still green and firm just before ripening.

In recent years the greatest volume of papain consumed in this country has gone to the manufacture of meat tenderizers. Limited solubility of papain itself has led to problems in its use, but advanced filtering and proper aging of mixes was said to have made possible a product which can be incorporated in solution in less than a minute.

Use of papain as a clarifying agent in the brewery industry has also run to good volume, it was said. Clarification of beer with papain was said to be possible in ten days as compared to previous methods which took up to a year to produce a clear lager beer. The speed-up was possible as a result of the fact that papain acts to split starches and convert them to more digestible properties.

Added use has been found in the wool industry where papain has been used to soften wool fibers. Research in recent years was reported to have indicated efficacy in the use of papain for release of Vitamin A from shark liver oils in a solution, without cooking, as was the old method.

## *Carter, Swinging*

—*Continued from page 5*

present lineup, either. It's most recent product, according to Mr. Hoyt, is "Deprol," described as a "psychic energizer."

"'Deprol,'" explains Mr. Hoyt, "is best described as an antidepressant. It contains meprobamate and benactyzine, and doctors have found it to be remarkably effective in treating states of depression without stimulating or hypnotizing the patient, as most other such drugs do."

Carter is bringing up new team members in the proprietary and toiletry field to—"Arrid Whirl-In" introduced a year ago; "Colonaid," a laxative now being marketed nationally; and "Snow White," a push-button pressurized toothpaste.

The company takes a cautious attitude on acquisitions and mergers, but thinks it has come up with a winner in Frenchette Company, which it recently bought.

**Reducing Diet Bug**

"As you know," explains Mr. Hoyt, "there is in this country a fever known as the Reducing Diet Bug. Carter Products has decided to capitalize on this growing contingent of dieters (you might call it the calorie clique) with a new, and it seems to us, promising food product—a calorie-free salad dressing called 'Frenchette.'

"The Frenchette Company," he points out, "produces three related low-calorie products: 'Frenchette,' which is sold nationally; and two others—'Mayonette' and 'Italianette' which are being test marketed."

Carter Products is currently engaged in beefing up its meprobamate program. As Mr. Hoyt explains, "We're always exploring new ideas, new products, new packaging methods, new ways to sell old products. Every once in a while we hit a good one like meprobamate—'Miltown'."

Carter has come up with "Milpath," a combination of meprobamate and an anticholinergic for treatment of ulcers.

Other new additions to the family include "Milprem," a combination of meprobamate with a hormone for treatment of menopause. Both "Milpath" and "Milprem" are also being sold under cross-licensing agreements by Lederle Laboratories Division of American Cyanamid Company and American Home Products, Inc.

**Promising Uses For Tranquilizers**

Mr. Hoyt points out that "Merck & Co. is now marketing, and paying us royalties on 'Meprolone,' which combines meprobamate and a steroid, and is used to treat arthritis.

"During 1957, we introduced 'Meprospan' which is meprobamate in a prolonged release form. Last week we began marketing 'Miltrate,' a combination of meprobamate and pentaerythritol tetranitrate, for the treatment of angina pectoris."

In regard to Carter's foreign business, Mr. Hoyt says that it accounts for 8 percent of the company's total sales picture. For research, the company spent $800,000 last year, ompared with $750,000 the previous year.

While things look good for the company now, Mr. Hoyt emphasizes that "this business is not operated to show good results for one year—we live for the future.

"The effects of many things which we are doing today may not show up in our statement for three, four or five years. Our operations should not be judged solely on the short term basis of a year or less."

## Cyanamid Producing Catalyst

American Cyanamid Company, New York, is producing a newly-developed aerocat fluid cracking catalyst in commercial quantities. According to the company, the new catalyst is designed for selected refinery situations where certain operating conditions, such as heavy metals contamination, exist. The material is priced at $225 per dry ton.

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## Data Offered

Kendall Refining Company, Bradford, Pa., has issued a brochure on the company's **specialty products.** Included is information on Kendall's thermoplastic resins, paraffinic products and aromatic oils. The brochure details methods of application, packaging and samples and technical service.

Ansul Chemical Company, Marinette, Wis., has issued a technical bulletin on **methyl chloride.** Included is data on the physical and chemical properties, specifications, toxicity and applications. Also listed are additional bulletins on methyl chloride available from Ansul. The bulletin may be obtained by writing to Ansul's chemical products department.

Charles Bowman & Co., New York, has issued a brochure on "Fungi-Chek," the company's **anti-fungal and anti-bacterial paint.** The brochure includes a list of industries where the paint has potential use. Also detailed are the properties of the paint. Copies are available by writing to the company at 220 East 42nd street, New York 17.

Roger Williams Technical & Economic Services, Inc., Princeton, N. J., has issued a booklet entitled **"Chemical Market Research."** Included is a breakdown of the companys' facilities, methods, types of studies, personnel and areas covered. The booklet is available by writing to the company.

Rohm & Haas Company, Philadelphia, has published a ten-page booklet entitled **"Acrylic Emulsion Paints for Exterior Masonry."** The booklet is based on lectures prepared for the University of Florida's 1958 short course in paint technology by Gerould Allyn. It is available by writing to the company at Washington Square, Philadelphia 5.


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## Barry, Mallinckrodt V.P., Honored for Long Service

William D. Barry, vice-president of Mallinckrodt Chemical Works, was honored last week at a dinner by approximately seventy-five of his friends to mark fifty years with Mallinckrodt. The dinner was held at the Union League Club, New York.

Mr. Barry was further honored by the contribution of a sum of money to set up the New York Chapter of the Association for the Help of Retarded Children, Inc.—May Barry Fund. The fund, will be under the direction of Mr. Barry.

## Vanadium Metal For Sale In Commercial Quantities

Vanadium Corporation of America, New York, is selling vanadium metal with 99.5 percent minimum vanadium content in commercial quantities.

The material was previously produced on a laboratory scale. The new price structure starts at $40 per pound in quantities of 250 pounds and up. Cast ingots carry an extra $10 per pound and machined ingots $20 per pound. All prices are f.o.b., Vandadis, Ohio.

## Mallinckrodt Has Silicon

Mallinckrodt Chemical Works, St. Louis, Mo., has developed a high grade of semiconductor silicon metal. The company is now engaged in a market testing program. The product is the result of research carried on in the Mallinckrodt laboratories and pilot plant.

## *Copper People Like*

*—Continued from page 3*

able the domestic miners to compete with the lower labor costs of foreign suppliers.

S. K. Droubay of United Park City Mines Company, Park City, Utah, urged that the price floors for lead be set at 17 cents a pound and zinc at 14½ cents a pound. Lead and zinc would be imported duty free only so long as the prices did not fall below these levels.

Charles M. Schwab, chairman of the Emergency Lead & Zinc Committee, also called for higher floor prices for the two metals together with a program for removing a quantity of the metal from the market. His program also provided for a sliding scale of tariffs depending on the price of the metal on the American markets.

William Weaver, president of the Tungsten Institute, supported the legislation. He said that by July 1 only one mine out of 206 operating a few years ago to produce tungsten will still be working.


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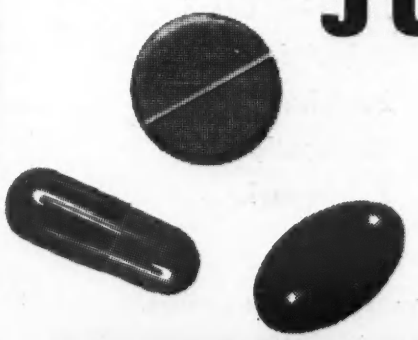

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## *Chemical Transport Rates Seen in Slide*

*—Continued from page 7*

takes up a bill to correct some of the hardships of the 1954 general tax law which is now being readied by the finance committee.

The change in the rate-making rule which may make for lower freight rates on chemicals is part of the broad railroad relief bill that has been under consideration for several weeks and last week cleared the senate by a unanimous vote, while a similar bill was being reported to the house by the interstate commerce committee.

The change largely does away with the old rule that railroad freight rates must be "just and reasonable" to be lawful and permit the roads to establish rates on a competitive basis, with less attention to be given by the interstate commerce commission to the effect of the rate on other modes of transportation.

The more liberal rate-making rule may have both good and bad features for the chemical shippers. Inland water carriers, who transport thousands of tons of chemical industry materials every year, fear that it may force them out of business, in which case chemical producers located along the waterways will have to rely on other more costly forms of transportation.

Inland chemical producers, who have had to face the choice of paying progressively higher freight rates over the years or shift their traffic to the motor carriers, may expect some reduction in the rail rates as the roads seek to recapture this lost business.

Repeal of the 3 percent transportation tax, which the industry strongly favors, may reach a vote in the senate this week when it considers a bill to extend the expiring wartime tax increases on corporation income and certain excises for another year. Sen. Smathers of Florida, is sponsoring the repealer on behalf of the senate interstate commerce committee.

Mr. Smathers decided against offering it as an amendment to the tax bill in the finance committee last week when it became apparent that the committee was against any changes what-so-ever in the bill. It was pointed out that the extension legislation must be inacted before the end of this month and the committee did not want it encumbered with amendments. Mr. Smathers said that he will offer his proposal from the senate floor.


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153 bgs, Nehls & O'Connell, Port Sudan
ARROW ROOT—6,000 bgs, Morningstar Paisley Inc, St Vincent
BARBASCO POWDER—4,000 bgs, Astoria Panamericana, Iquitos
BARIUM CHLORATE—40 dms, James E Fox, Rotterdam
BEESWAX—25 bgs, H H Pike & Co, Havana
33 bgs, H H Pike & Co, Tampico
88 bgs, Eastern Mohair & Trading Co, Assab
178 bgs, Koster Keunen, Assab
70 bgs, Marcel Calvet, Puerto Plata
29 bgs, Tampico
80 bgs, Santiago
BENZOIN GUM—27 cs, George Lueders & Co, Bangkok
83 cs, Meer Corp, Singapore
BLANC FIXE—700 bgs, C J Osborn Co, Rotterdam
BOIS DE ROSE OIL—5 dms, Wessel Duval & Co, Iquitos
5 dms, Magnus Mabee & Reynard, Iquitos
20 dms, Lo Curto & Funk, Iquitos
4 dms, Chase Manhattan Bank, Iquitos
9 dms, Elton Trading Co, Callao
5 dms, Chase Manhattan Bank, Callao
25 dms, Poons Co, Paramaribo
BONEMEAL—1,103 bgs, Phila National Bank, Alexandria
BORNYL ACETATE—5 dms, Polarome International Corp, Hamburg
BRONZE POWDER—31 cs, Leo Uhlfelder Co, Bremen
24 dms, Chase Manhattan Bank, Hamburg
30 dms, J E Bernard, Bremen
CANDELILLA WAX—313 bgs, Wm Diehl & Co, Tampico
125 bgs, M Argueso & Co, Tampico
188 bgs, Cornelius Wax Refining, Tampico
188 bgs, Frank B Ross, Tampico
369 bgs, Tampico
CARAWAY SEED—100 bgs, Levy & Levis Co, Rotterdam
150 bgs, Foreign & Domestic Sales Corp, Rotterdam
200 bgs, Louis Furth, Copenhagen
CARBON, DECOLORIZING—30 dms, American Cyanamid Co, Bremen
CARDAMOM SEED—30 cs, Wm E Martin & Sons, Puerto Barrios
CARNAUBA WAX—56 bgs, Biddle Sawyer Corp, Fortaleza
112 bgs, Baker Irons & Dockstadter, Fortaleza
33 bgs, M Argueso & Co, Fortaleza
56 bgs, Smith & Nichols, Fortaleza
826 bgs, Frank B Ross, Fortaleza
144 bgs, Cornelius Wax Refining, Fortaleza
112 bgs, Wm Diehl & Co, Fortaleza
556 bgs, Areia Branca
CASEIN—500 bgs, Cone Close Co, Buenos Aires
3,000 bgs, Borden Chemical Co, Buenos Aires
375 bgs, Asmus Bros, Hamburg
181 bgs, F H Paul & Stein Bros, Oslo
CASSIA—547 bgs, Ludwig Mueller, Singapore
500 bls, Allard & Co, Saigon
600 bls, Karl H Landes & E Balint, Saigon
125 bls, California Commodities Corp, Saigon
125 bls, Louis Furth, Saigon
375 bls, A G Dunn, Saigon
271 bgs, Rotterdam
CASTOR OIL—300 tons, Woodward & Dickerson, Salvador
CELERY SEED—174 bgs, Fritzsche Bros, Bombay
88 bgs, A G Dunn, Bombay
175 bgs, Otto Gerdau, Bombay
CHINA CLAY—896 bgs, English China Clay Sales Corp, Avonmouth
CHLORINATED RUBBER—400 bgs, C M C Chemicals Inc, Liverpool
CHLORAL HYDRATE—143 dms, Gallard Schlesinger, Liverpool
CINNAMON—247 bgs, East India Trading Co, Hamburg
CINNAMON CHIPS—243 bgs, Kellys America Ltd, Liverpool
CITRONELLA OIL—28 dms, Volkart Bros, Galle
25 dms, Jacobson Van den Bergh Ltd, Hong Kong
25 dms Lo Curto & Funk, Keelung
75 dms, Keelung
COALTAR DYES—7 dms, Orlex Dyes & Chemical Corp, Rotterdam
9 dms, Hensel Bruckmann & Lorbacher, Rotterdam
3 dms, Hensel Bruckmann & Lorbacher, Hamburg
2 dms, James E Fox, Hamburg
15 dms, Orlex Dyes & Chemicals Corp, Rotterdam
COBALT SULFATE—40 dms, Philipp Bros Chemicals, Bremen
20 dms, Hamburg
COCONUT OIL—1,000 tons, E F Drew & Co, Cebu
513 tons, Manila
CODLIVER OIL—127 dms, National City Bank, Hamburg
COPAIBA BALSAM—7 dms, Fritzsche Bros, Belem-Para
5 dms, Fritzsche Bros, Puerto Barrios
CORIANDER SEED—375 bgs, M J Golombeck, Port Said
253 bgs, Buenos Aires
CRESYLIC ACID—24 tons, H A Gogarty, Liverpool
198 dms, H A Gogarty, Avonmouth
CUBE ROOT—652 bls, Rubber Corp of America, Iquitos
CUTTLEFISH BONE—100 cs, D F Young, Nagoya
25 cs, R C Hagen, Kobe
CYCLOHEXYLAMINE—52 cks, U S Rubber Co, Hamburg
DEXTRIN—40 bgs, Salwen Co, Rotterdam
30 bgs, Manufacturers Trust Co, Rotterdam
200 bgs, Beacon Freight Co, Rotterdam
227 bgs, Morningstar Paisley Inc, Rotterdam
DEXTROSE—14 bgs, Corn Products Refining Co, Rotterdam
DILL SEED—87 bgs, Levy & Levis Co, Bombay
87 bgs, Louis Furth, Bombay
EARTH COLORS—1,112 bgs, Naftone Inc, Rotterdam
6 cont, American Cyanamid Co, Rotterdam
1,100 bgs, Naftone Inc, Bremen
EPSOM SALT—2,700 bgs, Bremen
ETHYL VANILLIN—4 cs, Polarome International Corp, Hamburg
EUCALYPTUS OIL—26 dms, Seville
FATTY ACID—250 bgs, Falick Products Co, Bremen
42 dms, B R Hendrix Trading Co, Bremen
FENNEL SEED—70 bgs, Hismoco American Co, Bombay
20 bgs, Herbarium Inc, Tuticorin
FERRIC SULFATE—50 dms, Hudson Shipping Co, Liverpool
FISHLIVER OIL—19 dms, Interocean Chemical & Minerals Corp, Yokohama
7 dms, Arista Oil Products Co, Yokohama
1 dms, Wilbur Ellis Co, Yokohama
2 dms, Kanematsu N Y Inc, Yokohama
5 dms, Consumers Import Co, Yokohama
FUEL OIL—102,901 bbls, Paragon Oil Co, Pointa Pierre
109,799 bbls, Paragon Oil Co, Tampico
110,870 bbls, Hess Inc, Punta Cardon
10,000 bbls, Asiatic Petroleum Corp, Curacao
GALLIC ACID—20 dms, Allied Chemical & Dye Corp, Glasgow
GELATIN—222 bgs, Hensel Bruckmann & Lorbacher, Rotterdam
GERANIUM OIL—3 dms, Antoine Chiris, Algiers
2 dms, Manefils Inc, Algiers
GHATTI GUM—171 bgs, P A Dunkel, Bombay
114 bgs, S B Penick & Co, Bombay
GINGER—56 bgs, Fehr Bros, Kingston
240 bgs, East India Trading Co, Cochin
222 bgs, Murwal Inc, Lagos
1,673 bgs, Freetown
284 bgs, Kingston
GLUE—230 bgs, Jung Forwarding Co, Liverpool
1,000 bgs, First National Boston, Hamburg
GLUTAMIC ACID—6 dms, Dorf International, Hamburg
GLYCERINE—84 dms, R P Casado, Havana
GRAPHITE—500 bgs, Joseph Dixon Crucible Co, Bremen
GUAR GUM—200 bgs, T M Duche & Sons, Rotterdam
GYPSUM, CRUDE—10,233 tons, U S Gypsum Co, Little Narrows
IRON POWDER, CRUDE—54 dms, Hensel Bruckmann & Lorbacher, Rotterdam
KARAYA GUM—127 bgs, Colony Import & Export Corp, Bombay
132 bgs, Morningstar Paisley Inc, Bombay
61 bgs, Lo Curto & Funk, Bombay
200 bgs, S B Penick & Co, Bombay
62 bgs, Colony Import & Export Corp, Bombay
KIESERITE, CALCINED—60 bgs, Bremen
LACTOSE—250 dms, Chas L Huisking & Co, Liverpool
44 dms, R J Saunders, Rotterdam
LAUREL WAX—46 cs, Buenaventura
LEMON OIL—2 dms, Guaranty Trust Co, Vera Cruz
37 dms, National City Bank, Vera Cruz
14 dms, Chemical Bank, Vera Cruz
12 dms, Ungerer & Co, Vera Cruz
12 dms, George Lueders & Co, Vera Cruz
8 dms, Magnus Mabee & Reynard, Vera Cruz
LEMONGRASS OIL—6 dms, Volkart Bros, Cochin
12 dms, Van Ameringen Haebler, Cochin
6 dms, Lautier Fils Inc, Cochin
LIVER PASTE—1 dm, Tec Chemical Corp, Montevideo
LIVER POWDER—16 dms, Tec Chemical Corp, Montevideo
LIVERMEAL—400 bgs, Wessel Duval & Co, Montevideo
LOCUST BEAN GUM—10 dms, Bank of N Y, Rotterdam
MAGNESITE—300 bgs, Smith Chemical & Color Co, Rotterdam
MAGNESITE, CALCINED—179 dms, General Cable Corp, Glasgow
MAGNESIUM CARBONATE—30 cs, Chas L Huisking & Co, Genoa
MENTHOL—550 cs, Schwabach & Co, Santos
2-METHYLNAPHTHALENE—11 dm, G A Abood Co, Rotterdam
MINERAL COLORS—58 dms, Revelli Chemical Co, Hamburg
MOLASSES—6,569 tons Instituto Cubano De Est Del Azucar, Sagua La Grande
4,008 tons, Instituto Cubano De Est Del Azucar, Habana
MONOCHLOROACETIC ACID—80 dms, Bremen
MONTAN WAX—280 bgs, Strohmeyer & Arpe, Hamburg
MUSTARD SEED—143 bgs, Berns & Koppstein, Copenhagen
MYROBALANS—1,350 bgs, Hammond & Carpenter, Bombay
MYRRH GUM—32 bgs, S Hartman & Co, Aden
48 bgs, S B Penick & Co, Aden
NAPHTHOL—16 dms, Crescent Chemical Co, Genoa
NICKEL ACETATE—40 dms, Hamburg
NICKEL CHLORIDE—10 bbls, Universal Metal & Ore Foreign Corp, Rotterdam
NICKEL SULFATE—200 bgs, Hamburg
NUTMEG—69 bgs, Rotterdam
OLIVE OIL—52 dms, Smith Weihman Co, Piraeus
132 dms, J D Nicolaou, Piraeus
54 dms, Atlantic Bank of N Y, Piraeus
200 dms, National City Bank, Seville
100 dms, Swiss Credit Bank, Seville
PALM OIL—400 tons, Balfour Guthrie, Bona
PAPRIKA—200 bgs, Schoenfeld & Co, Cadiz
250 bgs, Continental Coffee Co, Cadiz
100 bgs, Griffith Lab, Cadiz
200 bgs, M J Golombeck, Port Said
200 bgs, Rijeka
PEANUT OIL—250 tons, E F Drew & Co, Rotterdam
135 tons, Capital City Products, Rotterdam
PEARL ESSENCE—14 cs, U S Plastic Products Corp, Kobe

PEATMOSS—1,520 bls, Premier Peatmoss Corp, Bremen
2,050 bls, American Express Co, Bremen
1,000 bls, Chase Manhattan Bank, Dublin
2,800 bls, Bruco Peatmoss Corp, Bremen
1,000 bls, J E Bernard, Bremen
1,100 bls, E Dunwoody, Bremen
200 bls, E J Lang, Bremen
1,000 bls, New Amsterdam Import Co, Bremen
1,440 bls, New Amsterdam Import Co, Aarhus
PEPPER, BLACK—210 bgs, Atlanta Textile Corp, Singapore
420 bgs, Otto Gerdau, Singapore
140 bgs, Internatio Rotterdam, Singapore
140 bgs, East India Trading Co, Singapore
1,260 bgs, C Czarinkow, Singapore
490 bgs, Mincing Trading Corp, Singapore
350 bgs, A G Dunn, Singapore
140 bgs, J F Frank, Singapore
700 bgs, C M Van Sillevoldt, Singapore
100 bgs, Reliable Mercantile Co, Cochin
140 bgs, Singapore
PEPPER, RED—100 bgs, Louis Furth, Yokohama
100 bgs, Louis Furth, Kobe
112 bgs, Baltimore Spice Co, Kobe
50 bgs, K I Litster Co, Yokohama
72 bgs, Murwal Inc, Lagos
PEPPER, WHITE—35 bgs, Internatio Rotterdam, Singapore
70 bgs, C M Van Sillevoldt, Singapore
100 bgs, Mincing Trading Corp, Singapore
PETROLEUM, CRUDE—100,984 bbls, Esso Standard Oil Co, Las Piedras
70,[illegible]9 bbls, Esso Standard Oil Co, La Salina
39[illegible] bbls, Socony Mobil Oil Co, Puerto La Cruz
12[illegible] bbls, Hess Inc, Punta Cardon
100,[illegible]55 bbls, Metropolitan Petroleum Corp, Bachaquero
α-PICOLINE—50 dms, Ore & Ferro Corp, Rotterdam
PIMENTO LEAF OIL—4 dms, Dodge & Olcott, Kingston
POLLACKLIVER OIL—50 dms, Arista Oil Products Co, Yokohama
100 dms, Interocean Chemical & Mineral Corp, Yokohama
20 dms, Wilbur Ellis Co, Yokohama
POLYVINYL ACETATE EMULSION—25 bbls, Lloyd Associates, Bremen
POLYVINYL CHLORIDE RESIN—110 bgs, Bank of N Y, Yokohama
5,500 bgs, Itoh & Co, Yokohama
POPPY SEED—200 bgs, Levy & Levis Co, Rotterdam
100 bgs, Joel Bieler, Rotterdam
100 bgs, Buenos Aires
POTASSIUM FERROCYANIDE—320 bgs, Hudson Shipping Co, Rotterdam
POTASSIUM METABISULFITE—12 kgs, A Gusmer, Liverpool
POTASSIUM NITRATE—20 bgs, Revelli Chemical Co, Bremen
PSYLLIUM SEED HUSKS—260 bgs, T M Duche & Sons, Bombay
376 bgs, Biddle Sawyer Corp, Bombay
491 bgs, S B Penick & Co, Bombay
PYRIDINE—15 dms, H A Gogarty, Liverpool
QUEBRACHO EXTRACT—201 bgs, Barkey Importing Co, Buenos Aires
QUININE HYDROCHLORIDE—4 dms, Frank Samuel & Co, Southampton
RHUBARB ROOT—199 bgs, S B Penick & Co, Bombay
100 bgs, Meer Corp, Bombay
SACCHARINE—21 dms, H A Gogarty, Rotterdam
SAFFLOWER—34 bgs, F D Keller & Son, Vera Cruz
37 bgs, Genoa
SANDALWOOD—20 bgs, S B Penick & Co, Madras
56 bgs, George Lueders & Co, Madras
SANDALWOOD OIL—10 cs, J Berlage, Cochin
14 cs, Givaudan Corp, Madras
SARSAPARILLA ROOT—40 bls, F D Keller & Son, Tampico
SEEDLAC—300 bgs, H C Smith, Calcutta
250 bgs, Mac Lac Co, Calcutta
200 bgs, Gillespie Rogers Pyatt, Calcutta
200 bgs, Mantrose Corp, Calcutta
2,350 bgs, Calcutta
SELENIUM METAL POWDER—17 cs, Montanore Inc, Yokohama
SENNA LEAVES—10 bls, Herbarium Inc, Tuticorin
SENNA PODS—50 bls, Prentiss Drug & Chemical Co, Tuticorin
SESAME SEED—224 bgs, Ideal Trading Co, Puerto Barrios
1,973 bgs, Independent Halvah & Candies, Puerto Barrios
SHELLAC—54 bgs, F H Paul & Stein Bros, Hamburg
227 bgs, I Levine, Hamburg
40 bgs, F H Paul & Stein Bros, Rotterdam
200 bgs, Mantrose Corp, Bremen
250 bgs, Wm Zinsser & Co, Calcutta
300 bgs, H C Smith, Calcutta
27 dms, F H Paul & Stein Bros, Rotterdam
50 bgs, Calcutta
SODIUM ALGINATE—40 dms, Stein Hall & Co, Glasgow
20 cs, T M Duche & Sons, Oslo
SODIUM p-AMINOSALICYLATE—20 dms, Bremen
SODIUM CHLORITE—111 dms, Hamburg
SODIUM CYANIDE—300 dms, Philipp Bros Chemicals, Rotterdam
SODIUM PERBORATE—500 bgs, Leghorn
SODIUM SILICOFLUORIDE—3,967 bgs, Baird Chemical Corp, Kobe
1,367 bgs, Baird Chemical Corp, Yokohama
STARCH—16 bgs, Manufacturers Trust Co, Rotterdam
STRAMONIUM LEAVES—13 bls, S B Penick & Co, Buenos Aires
SULFUR, CRUDE—10,116 tons, American Cyanamid Co, Coatzacoalcos
TALC—11,730 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—2,000 bgs, H F R Dolan Jr, Bangkok
1,000 bgs, Wah Chang Corp, Penang
THYME—63 bls, M J Golombeck, Marseille
TONKA BEANS—40 cs, S B Penick & Co, Belem-Para
TUNG OIL—187 tons, Berns & Koppstein, Buenos Aires
TURMERIC—80 bgs, East India Trading Co, Alleppey
80 bgs, A A Sayia, Alleppey
80 bgs, Wm E Martin & Sons, Cochin
160 bgs, Alleppey
ULTRAMARINE BLUE—100 bgs, T H Deutz, Antwerp
UREA, SYNTHETIC—3,976 bgs, Chemical Manufacturing Co, Liverpool
VALONIA BEARDS—405 bgs, Barkey Importing Co, Izmir
VANILLA BEANS—15 cs, Dammann & Co, Tampico
39 cs, F Huber & Co, Vera Cruz
VITAMIN B$_{12}$—20 dms, National City Bank, Yokohama
VITAMIN C—20 dms, Mitsubishi International Corp, Yokohama
10 dms, Byron Chemical Co, Yokohama
10 dms, Foster T Smith, Yokohama
WOOL GREASE—100 dms, Gallard Schlesinger, Bremen
50 dms, Hummel Chemical Co, Bremen
50 dms, Lanaetex Inc, Genoa
83 dms, Chemical Bank, Antwerp
WOOL GREASE DISTILLATE—1 dm, Nopco Chemical Co, Liverpool
YLANG YLANG OIL—6 dms, Havre
ZINC CHROMATE—140 bgs, Revelli Chemical Co, Antwerp
ZINC SULFATE—10 bgs, Wm Recht Co, Vera Cruz

### *Los Angeles*

AGAR—5 bls, Kobe
COPAL GUM—67 bkts, O G Innes Corp, Singapore
COPRA—1,200 tons, American Trust Co, Siain
1,600 tons, Procter & Gamble Co, Cebu
500 tons, American Trust Co, Iloilo
500 tons, American Trust Co, Dumaguete
1,000 tons, Procter & Gamble Co, Cagayan De Oro
700 tons, American Trust Co, Tabaco
COPRA CAKE—4,450 bgs, Balfour Guthrie, Manila
6,720 bgs, Procter & Gamble Co, Manila
6,450 bgs, Pacific Vegetable Oil Corp, Manila
7,000 bgs, American Trust Co, Cebu
2,500 bgs, Berger & Plate, Cebu
CORN STARCH—20 bgs, Getz Bros, Antwerp
DAMMAR GUM—70 bgs, Internatio Rotterdam, Singapore
FISHLIVER OIL—4 dms, Interocean Chemical & Minerals Corp, Yokohama
FISHMEAL—1,631 bgs, Albumina Supply Co, Chimbote
5,190 bgs, Balfour Guthrie, Arica
8,696 bgs, Chimbote
GYPSUM, CRUDE—16,245 tons, Kaiser Gypsum Co, San Marcos
HOOFMEAL—292 bgs, International Packers Ltd, Montevideo
MOLASSES—900 tons, Kaohsiung
PEATMOSS—500 bls, J Schumacher Co, Bremen
PEPPER, BLACK—98 bgs, Borneo Sumatra Trading Co, Singapore
70 bgs, Internatio Rotterdam, Singapore
140 bgs, C Czarinkow, Singapore
PETROLEUM, CRUDE—276,265 bbls, Texas Oil Co, Rastanura
POLLACKLIVER OIL—50 dms, Interocean Chemical & Minerals Corp, Yokohama
QUEBRACHO EXTRACT—1,083 bgs, Tan American Corp, Buenos Aires
TAPIOCA—50 bgs, H M Newhall & Co, Singapore
TAPIOCA FLOUR—5,652 bgs, Stein Hall & Co, Kohsichang
TUNG OIL—150 tons, Pacific Vegetable Oil Corp, Buenos Aires
114 tons, Internatio Rotterdam, Buenos Aires
VITAMIN-C—10 dms, Yokohama

### *Philadelphia*

CALCIUM PHOSPHATE, DIBASIC—1,404 bgs, Wessel Duval & Co, Antwerp
CASEIN—2,000 bgs, National Casein Sales, Buenos Aires
CHINA CLAY—8,602 tons, Fowey
CRESYLIC ACID—100 dms, Concord Chemical Co, Rotterdam
CRYOLITE—2,150 tons, Pennsalt Chemical Corp, Ivigtut
FISHLIVER OIL—65 dms, J H Faunce, Yokohama
GYPSUM, CRUDE—13,367 tons, U S Gypsum Co, Little Narrows
5,954 tons, U S Gypsum Co, Kingston
IRON POWDER—50 dms, Easton Powder Co, London
MAGNESIUM OXIDE—440 bgs, Darlington Chemical Corp, Glasgow
PEANUT OIL—752 tons, Rotterdam
PEATMOSS—1,500 bls, New Amsterdam Import Co, Aarhus
PEPPER, RED—110 bgs, Murwal Inc, Lagos
PETROLEUM, CRUDE—197,562 bbls, Gulf Oil Corp, Banias
349,162 bbls, Gulf Oil Corp, Puerto La Cruz
218,756 bbls, Gulf Oil Corp, Mena Al Ahmadi
520,462 bbls, Texas Oil Co, Puerto La Cruz
158,028 bbls, Texas Oil Co, Sidon
[illegible]3 bbls, Texas Oil Co, Covenas
192,318 bbls, Socony Mobil Oil Co, Mena Al Ahmadi
181,074 bbls, Socony Mobil Oil Co, Naples
111,222 bbls, Socony Mobil Oil Co, Amuay Bay
116,217 bbls, Atlantic Refining Co, La Salina
116,953 bbls, Atlantic Refining Co, Pamatacual
115,599 bbls, Atlantic Refining Co, Curacao
17,078 tons, Atlantic Refining Co, Bandar Mashur
RUTILE SAND—2,000 bgs, Chas Kurz Co, Sydney
540 bgs, Metal Traders, Sydney
2,000 bgs, Sydney
UREA—4,800 bgs, Nylos Trading Co, Genoa
VANILLA BEANS—71 cs, Camax Co, Masinloc
50 cs, Camax Co, Vera Cruz
WHITING—3,200 bgs, Hammill & Gillespie, London
ZINC OXIDE—1,400 bgs, Pigment Chemical Co, London
ZIRCON SAND—1,500 bgs, Export Import Industries, Sydney
983 bgs, Vandergrift Co, Sydney
1,004 bgs, Frank Samuel & Co, Sydney
1,961 bgs, Sydney

### *San Francisco*

AGAR—11 cs, American Foreign Industries, Nagoya
AMMONIUM BICARBONATE—107 dms, C M C Chemicals Inc, Manchester
AMMONIUM CHLORIDE—200 bgs, C M C Chemicals Inc, Manchester
ANISE SEED—50 bgs, H M Newhall & Co, Marseille
ANTIMONY REGULUS—50 cs, C Gitlan, Antwerp
CALCIUM CHLORIDE—1,000 bgs, Bank of California, Antwerp
CAMPHOR—40 cs, Manufacturers Trust Co, Keelung
CARAWAY SEED—50 bgs, Antwerp
CARDAMOM—10 cs, Wm E Martin & Sons, Colombo
CASEIN—100 bgs, Borden Chemical Co, Buenos Aires
CASSIA—915 bls, Internatio Rotterdam, Saigon
CINNAMON QUILLS—25 bls, Colombo
COPRA—621 tons, Procter & Gamble Co, Cagayan de Oro
17 tons, Procter & Gamble Co, Cebu
428 tons, Procter & Gamble Co, Dumaquete
500 tons, Pacfic Vegetable Oil Corp, Pangi
500 tons, Cargill Inc, Tabaco
672 tons, Pacfic Vegetable Oil Corp, Legaspi
500 tons, Cargill Inc, Bulan
1,000 tons, Cargill Inc, Zamboanga
1,000 tons, American Trust Co, Leyte
1,000 tons, Cargill Inc, Leyte
1,000 tons, American Trust Co, Siain
750 tons, Pacfic Vegetable Oil Corp, Masbate
344 tons, Procter & Gamble Co, Nasipit
1,300 tons, Pacfic Vegetable Oil Corp, Cebu
1,100 tons, Cargill Inc, Cebu
500 tons, Cargill Inc, Iloilo
COPRA CAKE—2,000 bgs, Balfour Guthrie, Cebu
2,500 bgs, Berger & Plate, Cebu
CURARE—3 cs, Menlo Pharmaceuticals, Callao
DEXTRIN—300 bgs, Adhesive Products Inc, Amsterdam
FERROUS SULFATE—567 bgs, D M Hicks, Kobe
FISHMEAL—13,044 bgs, Wilbur Ellis Co, Callao
2,165 bgs, Marine & Animal By-Products Corp, Chimbote
2,608 bgs, Steinhardter & Nordlinger, Callao
1,087 bgs, Marine & Animal By-Products Corp, Ilo
6,606 bgs, Balfour Guthrie, Arica
IRON OXIDE—10 bbls, L H Butcher & Co, Barcelona
MOLASSES—899 tons, Keelung
NAPHTHA DISTILLATE—156,058 bbls, Union Oil Co, Shimotsu
PAPRIKA—200 bgs, J Weinstein, Marseille
400 bgs, B C Ireland, Marseille
PEPPER, BLACK—320 bgs, Mincing Trading Corp, Singapore
560 bgs, C Czarinkow, Singapore
PERCHLOROETHYLENE—117 dms, Societe General, Antwerp
PETROLEUM, CRUDE—269,819 bbls, Standard Oil Co, Sungai Pakning
QUEBRACHO EXTRACT—100 bgs, Gothenburg
RUTILE SAND—360 bgs, Mattoon Co, Brisbane
SESAME SEED, HULLED—350 bgs, W R Grace & Co, Corinto
100 bgs, Hismoco American Co, Corinto
200 bgs, American Trust Co, San Juan del Sur
SODIUM BICARBONATE—499 bgs, C M C Chemicals Inc, Manchester
SODIUM CASEINATE—200 bgs, Western Dairy Products, Copenhagen
SODIUM SILICOFLUORIDE—334 bgs, D M Hicks, Yokohama
TAPIOCA FLOUR—600 bgs, Geismar & Co, Bangkok
800 bgs, Geismar & Co, Singapore
TRICHLOROETHYLENE—175 dms, C M C Chemicals, Manchester
TUNG OIL—176 dms, Pacific Vegetable Oil Corp, Buenos Aires


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# Essential Oils, Aromatics

Declines outnumbered the advances last week in the essential oils market. Both citronella and lemongrass oils are reported to be currently selling at the lowest level in more than a year. Sources said that the citronella oil was at the bottom of its downward trend, but this was proved untrue last week when Java type oil decreased even further. Supplies on spot and at source are overabundant, and demand is practically non-existent.

The balsam oils, including copaiba, Peru, and tolu, dropped their listings last week. Again it is the problem of overproduction. Brazilian bois de rose oil felt another setback in price. This is another sick market with declining prices for more than a year now. There are large overflows of stock on spot and at source. Many dealers feel that the solution for these oils where a situation of overproduction and lack of demand are prevalent would be to have control administered at the sources to regulate production and distribution of the materials.

Mexican lime oil advanced its listings last week. Increasing demand for the oil, good demand at source, and poor growing conditions were said to have caused this strength.

No changes were recorded for the aromatic chemicals market last week. Two weeks ago vanillin and ethyl vanillin spurted forward. The rise was attributed to the higher costs of production.

The seeds and spices market seemed to be firming in many areas. Caraway seed, cochin ginger, poppyseed, mustard seed were all firmer last week. East Indian nutmeg also advanced with reports saying that the Indonesian troops have taken control of growing areas. Cassia demand was slacking, and Batavia and Korintje cassia of all grades were lower. Pepper demand was better last week, and stocks that have been pressing for sale were being swallowed up. Due to a hand to mouth buying policy stocks have not been moving in the past months but it would appear not now that stocks have dwindled and replacement is necessary.

On the London market last month buying interest in essential oils was still at a minimum in consequence of which several oils have eased to new lows. Corresponding to the situation here, citronella oils were weak with demand slack and stocks accumulating in both sources. Anisseed continued to soften with shipping prices lower as well. Bois de rose oil was easier for shipment last month even though spot stocks were low and new arrivals not expected until the end of this month.

In London as well as here the geranium oil were tight with stocks short. Sicilian lemon oil fell off slightly due to lack of demand. There is a shortage of Chinese peppermint oil; in general the peppermint oils were softer, and the London market is awaiting news of the crop forecasts.

## Price Trends

**Advanced**

Caraway seed, Dutch, ½c. per lb.
Polish, ¼c. per lb.
Celery seed, French, 1c. per lb.
Ginger, Cochin, ½c. per lb.
Lime oil, Mexican, 25c. per lb.
Mustard seed, Montana yellow, 1½c. per lb.
Nutmeg, East Indian, 5c. per lb.
Pepper, Malabar black, ¾c. per lb.
Lampong black, 1c. per lb.
Muntok white, ¼c. per lb.
Poppy seed, Dutch, 1c. per lb.
Polish, 1c. per lb.

**Reduced**

Bois de rose oil, Brazilian, 20c. per lb.
Cassia, Batavia "A," 5c. per lb.
"B," 2c. per lb.
"C," 5c. per lb.
Korintje, "A," 5c. per lb.
"B," 2c. per lb.
"C," 5c. per lb.
Cedarleaf oil, 35c. per lb.
Citronella oil, Java type, 5c. per lb.
Copaiba balsam, 10c. per lb.
Fennel seed, Indian, ¾c. per lb.
French, ½c. per lb.
Peru balsam, 5c. per lb.
Pimento, Mexican, ½c. per lb.
Tolu balsam, 40c. per lb.

**Comparative Price Indexes**

(100—1949 average)

| week | week | Last month | June 14, 1957 |
|---|---|---|---|
| 145.64 | 145.75 | 145.30 | 144.86 |

*For Current Prices See Page 9*

## Essential Oils

**Balsams**—A downward trend was reported for several balsam oils last week by producers. Again it appeared to be a problem of overproduction. Copaiba balsam eased 10c. to a spot quote to 40c. to 90c. Peru balsam dropped 5c. to a reading of $1.30 to $1.95. Tolu balsam fell 40c. to a listing ranging from $3.10 to $4 per pound.

**Bergamot**—No change was recorded here last week. The market remained firm and stocks falling. One dealer predicted that prices, if anything, will move upwards. It all depends on the Italian Consortium which has ben regulating prices of the oil. The reading continued at $12.75 to $13.75 per pound.

**Bois de rose**—Brazilian oil was seen to be easing last week, sources reported. The surplus quantities of both Brazilian and Peruvian material available both on spot and at source persists as the market's major illness. Suggestions of over a year ago that production and distribution be curtailed or at least controlled from source are still unfulfilled. Entry made by the aromatic chemicals field into the spot market has endangered even more chances of this market regaining its previous level.

The decrease of 20c. of Brazilian bois de rose oil created a new spot price of $2.60 to $3.75. Peruvian listing was weak at a range of $2.15 to $2.40.

**Cedarleaf**—Over a period of the last two weeks cedarleaf oil has dropped a total of 35c. The price reduction of last week brought the oil down to a listing of $3.10 to $4.50 per pound, a source said.

**Citronella**—Despite the fact that dealers have been saying that citronella oil was at the bottom of its downward trend, Java type oil decreased in price again last week. Java type oil fell off 5c. to a spot quote ranging from 70c. to 85c. per pound. Ceylon oil was unchanged at a reading of 65c. to $1.

In Guatemala farmers will not cut the citronella crop for it would cost them more to harvest it than not to. This is a result of the soft prices on spot. Thus oil is not being distilled.

In Formosa the same situation of overproduction is in evidence. Dealers on spot would like to see some control of production and distribution of the citronella crop exerted by the Formosan government, but as yet this has not occurred.

**Geranium**—Conditions remained the same last week. A tight supply problem exists for Bourbon material coupled with high prices. Offers for Bourbon oil at source were limited and still moving up in price last week. Crop damage due to storms on the Reunion Islands caused a shortage and thus higher listings. The current reading of Bourbon geranium oil is $17 to $20.75 per pound.

Algerian geranium oil remained unchanged at $14.50 to $17.50 per pound. It is hard to tell what will happen to this market right now with the unstable political picture at the source.

**Lemongrass**—Another depressed market is the lemongrass oil market. Like the citronella market the problem is one of overproduction. Prices continue at the lowest levels in more than a year. However, it was reported that shipping prices at source have climbed slightly. Lemongrass oil was listed as ranging from $1 to $1.20 per pound.

**Lignaloe**—There has been no further downward movement in this market since the last one of a month ago. The drop established the price of lignaloe oil from Mexican wood at a range of $3.25 to $5.50.

**Lime**—Mexican oil strengthened on spot last week, sources stated. Good demand for the fresh fruit in Mexico, increasing consumption of the oil, and lack of moisture during the growing season of the crop were said to be the reasons for the rise. Also with the shortage of orange oil other citrus oils are more in demand for flavoring. Mexican lime oil increased 25c. to a reading of $6.50 to $6.80 per pound.

**Orange**—Firmness continued to be the tone for orange oil and its derivatives. No price change has taken place lately. California orange oil held a range of $3 to $3.35, and Florida orange oil was listed at $1.75 to $2.30. Damage done to trees in Florida during the freezes was not that extensive. Seventy-five percent of the bearing orange trees escaped with minor

# Essential Oils

to no damage, and 16 percent had extensive damage.

**Patchouli**—A pattern of soft prices continued to persist for this oil last week. Dealers said that the oil has reached one of the lowest levels ever recorded. An easier trend in shipping prices also exists. Stocks of good quality aged patchouli oil are hard to find on spot. Spot prices were unchanged last week at a range of $5 to $5.75.

**Petitgrain**—This oil continued to be another soft spot on the essential oils market last week. The last price decline of a month ago established the price at a range of $2.35 to $2.95 per pound.

**Rosemary**—This oil has been softer of late. No changes have been recorded, and the price last week for Spanish rosemary oil was $1.10 to $1.40, and technical oil held a range of 50c. to $1.10 per pound.

**Sandalwood**—This oil continues to follow a pattern of soft prices although no reductions have been recorded for over a month. Demand is said to be moderate, and supplies on spot are sufficient. Prices held a range of $11.20 to $13.20 per pound last week, sources reported.

**Spearmint**—This material has shown signs of firming lately. Some dealers have said that stocks of the oil in the far west —Washington and Oregon—are about exhausted. It will be about August before the new crop oil will be available. The current listing of spearmint oil last week was $3.65 to $5.05 per pound.

## Aromatic Chemicals

**Ethyl Vanillin**—This material firmed considerably recently. A major producer said the higher prices were as a result of the higher costs of production. The advance established the market price at $6.75 for ethyl vanillin in 100 pound drums, 500 pound lots or more.

**Heliotropine**—Last week prices remained unchanged, a source said. Heliotropine listings were reported at a range of $2.65 to $3 per pound.

**Vanillin**—Two weeks ago prices of this aromatic chemical were advanced quite sharply, a major producer reported. The price of vanillin in 100 pound fiber drums in 1,000 pound lots or more is $3, for 100 pound fiber drums in 500 pound lots is $3.10, and in 100 pound fiber drums in 100 pound lots is $3.25 per pound.

## Seeds and Spices

**Caraway Seed**—This material was slightly firmer last week, one source said. Dutch seed advanced ½c. to 10c. on spot while Polish caraway seed rose ¼c. to a quote of 8¾c. per pound.

**Cassia**—Demand appeared to have slowed down last week, and Batavia and Korintje grades were marking time. The situation in Sumatra is still confused, and it is not known when shipments will be resumed from that source. Korintje and Batavia cassia, "A," "B," and "C" grades, eased slightly 5c., 2c., and 5c. in order to 80c., 78c., and 75c. respectively.

**Nutmeg**—East Indian prices advanced last week. One source said that reports that Indonesian forces had taken over the nutmeg producing area meant that smuggling operations with Singapore would have to cease. This would cause delay before direct shipments could be made and add to the shortage of stocks on spot. East Indian nutmeg advanced 5c. to $1.85 per pound while West Indian remained the same at $1.80.

**Pepper**—Demand was improved last week absorbing spot and future pepper which was pressing for sale. Prices climbed slightly. One dealer said that during the past months buying had been conservative. Now it looks like stocks in consumers' hands have dwindled to the extent that replacement is necessary.

Sellers at source are eager to trade in competition with our local market. Higher prices on spot have made this market more in line with replacement costs. Malabar black pepper rose ¾c. to a spot quote of 25¾c., lampong black climbed 1c. to 25½c., and Sarawak was again on the market at 25½c.

New demand on spot brought the white pepper market up somewhat. Muntok white increased ¼c. to a spot listing of 38¾c. per pound.

**Poppy Seed**—Prices continued to climb as supplies dwindled last week. Both Dutch and Polish poppy seed increased 1c. to spot listings of 33c. per pound.

## Enzyme Is Available

Rohm & Haas Company, Philadelphia, has changed the name of its enzyme, "Protease 15," to "Rhozyme W-15" and is marketing it on a commercial scale. Price schedules for the enzyme, effective July 1, are: $1 per pound for material in 150 or 350 pound drums; $1.10 in 25-pound pails and $1.35 per pound in smaller quantities. All prices are f.o.b., Bristol, Pa.

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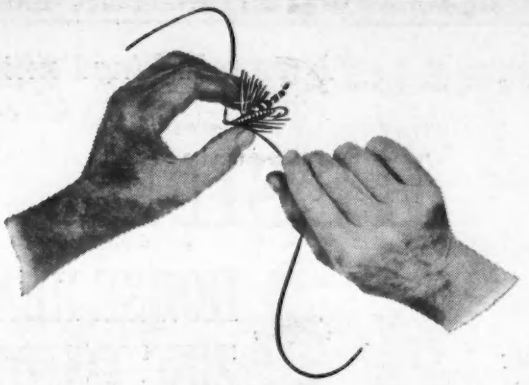

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# Coatings Materials

Polyvinyl chloride has been reduced 2c. per pound. This move, initiated last Monday, was acquiesced in by all major factors in the trade. Callendaring as well as final dispersion resins were affected by the reduction which went into effect retroactively to June 1. Other coatings materials held steady in price last week. Lead pigments were meeting moderate buying interest at the lower levels posted a week earlier, while copper oxide reportedly experienced improved call because of a firmer tone in the basic metal market. Firmness in the metal resulted from an announcement by Interior Secretary Seaton that the administration would request congressional authority to put into operation a stockpiling program involving purchases of up to $82.5 million worth of copper.

Natural resins are still moving in moderate volume for prompt needs, trade sources report. A recent advance of 2c. per pound in Manila MA copal was firmly maintained in last week's market, as was the previously reported 1c. advance in Singapore No. 1. Fair interest was shown in orange grade shellac at unchanged quotations of 38c. to 39c. per pound for lemon No. 1, 36c. to 37c. for No. 2 and 34c. to 35c. for superfine.

A report issued last week on gum naval stores production in May confirmed what had already been indicated by weekly reports: output during the month was low in quality as well as volume owing to heavy rainfall and the persistance of cool nights. As an example, the department cited the week ending May 24 during which only 11 percent of the gum received at processing plants was graded WW, in comparison with 28 percent during the same week a year earlier.

### Price Trends

**Advanced**
None
**Reduced**
None

**Comparative Price Indexes**
(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 101.45 | 101.45 | 101.47 | 100.74 |

*For Current Prices See Page 9*

## Prime Pigments

**Aluminum Paste, Powder**—Business has been a little livelier in all otulets during the past two weeks, according to trade sources. The increased movement was attributed to low consumer inventories which were in need of replenishing.

There may be a price advance later in the summer when new wage contracts are negotiated. At that time last year, prices went up 1c. per pound to offset a wage increase. But things may go differently this year, some sources believe, because of the slump in basic industries.

**Carbon Black**—The following figures in thousands of pounds, indicate production, shipments, stocks and exports of carbon black for April, 1958, with figures for March, 1958, and April, 1957, reported for comparison:

| | Furnace | Contact | Total |
|---|---|---|---|
| **Production** | | | |
| April, 1958 | 107,927 | 26,051 | 133,978 |
| March, 1958 | 110,027 | 27,328 | 137,355 |
| April, 1957 | 117,226 | 29,879 | 147,115 |
| **Shipments** | | | |
| April, 1958 | 113,283 | 25,863 | 139,146 |
| March, 1958 | 102,812 | 23,617 | 126,429 |
| April, 1957 | 101,910 | 28,276 | 130,186 |
| **Stocks** | | | |
| April, 1958 | 262,624 | 89,885 | 352,709 |
| March, 1958 | 268,180 | 89,697 | 357,877 |
| April, 1957 | 232,067 | 58,745 | 290,812 |
| **Exports** | | | |
| April, 1958 | * | * | * |
| March, 1958 | 25,720 | 14,018 | 39,738 |
| April, 1957 | 33,772 | 16,610 | 50,382 |

* Not available.

**Copper Oxide**—Interior Secretary Seaton announced last week that the administration would request congressional authority to put into operation a copper stockpiling program that would involve purchases amounting to $82.5 million. The prospect of such a move had already given copper a firmer tone in world markets. In the American market, custom smelters raised their quotations to match the 25c. per pound tab of primary producers. The wiping out of this differential is a sure sign of good strength in the market.

This situation has contributed a firmer tone to the oxide market, where consumers had heretofore displayed an attitude of caution in making buying commitments because of the perrenial weakness of prices.

**Lead Pigments**—As reported here a week ago, this group has been trimmed another ½c. per pound in the wake of a decline in pig lead. Carlot prices, with freight equalized, became 13¼c. per pound for 95 percent red lead, 13.45c., same basis, for 97 percent, and 13.60c. for 98 percent.

Litharge, commercial, powdered was newly quoted at 12¾c. per pound in carlots and orange mineral at 15.6c. per pound, same basis. Weakness in the world market for pig lead, a result of over production, accounted for this decline as well as the many posted previously.

## Lacquer Materials

**Ethyl Cellulose** — To cover increased costs of handling small shipments, producers recently increased prices 1c. per pound on l.c.l. shipments of more than 5,000 pounds and 2c. per pound on smaller quantities. The new schedule on regular grades, freight allowed East, is 66c. per pound for carlots, 68c. for 5,000 pounds or more, and 70c. for less than 5,000 pounds.

**Phthalates**—These materials are still in good demand by plastics manufacturers, but the season for house paint production has passed its zenith. Movement is still slack in the industrial finishes outlet, and probably will not improve until the fall season. There are indications that the economy will be back on its feet at that time.

## Natural Resins

**Copal Gum**—A recent advance of 2c. per pound in Manila MA gum has been firmly maintained, with the material moving in fair volume at 20c to 24c. per pound. The general tone in the primary market is steady while business here remains light and limited to prompt needs.

**Dammar Gum**—Siam material moved at 33c. to 35c. per pound, reflecting the 1c. decline posted a week ago. At that time Singapore No. 1. also declined 1c. per pound to a range of 39c. to 43c. per pound, depending upon quantity.

**Shellac** — Consumers continued last week to take small lots of shellac for immediate requirements. Prices were steady and unchanged. Fair interest was shown in orange grades at 38c. to 39c. per pound for lemon No. 1, 36c. to 37c per pound for No. 2 and 34c to 35c. for superfine. Bleached grades in bags, 1,500-lb. lots, were quoted at 46c. for bonedry and 56c. for refined.

## Synthetic Resins

The following figures show production in pounds for March and list February's

### Coatings, Shipments Output: April

| | Factry shipments Dollars | | Reported production Gallons | |
|---|---|---|---|---|
| | March | April | March | April |
| Trades sales | $72,222,000 | $91,066,000 | 19,444,000 | 22,655,000 |
| Industrial sales, total | 45,216,000 | 48,344,000 | 16,434,000 | 17,217,000 |
| Paint and Varnish | 33,822,000 | 36,634,000 | 12,298,000 | 12,926,000 |
| Lacquer | 11,394,000 | 11,710,000 | 4,136,000 | 4,291,000 |
| Overall totals | $117,438,000 | $139,410,000 | *36,474,000 | *40,634,000 |

Total sales, Jan.-Apr.: $481,125,000.

* Detail does not add to total because some respondents reported only total production without indicating allocation as to trade or industrial sales.

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## Coatings Materials

figures for comparison, as reported by the Tariff Commission:

| | Production | |
|---|---|---|
| | February† | March† |
| Phenolic and other tar acid resins: | | |
| Molding resins | 13,213,497 | 11,799,337 |
| Adhesive and bonding resins | 16,852,631 | 15,752,208 |
| Protective coating resins, modified, unmodified, except by rosin | 2,368,767 | 2,455,347 |
| Urea and melamine resins: | | |
| Protective coating resins, straight, modified | 2,090,887 | 2,293,155 |
| Styrene resins: | | |
| Protective coating resins, straight, modified | 7,496,527 | 7,458,399 |
| Vinyl resins: | | |
| Total all types | 58,326,883 | 62,326,047 |
| Alkyd resins for protective coatings: | | |
| Phthalic anhydride types, unmodified | 18,487,887 | 18,032,016 |
| Modified with tar acids, rosin and/or other materials except styrene | 5,030,042 | 5,161,284 |
| Polybasic acid types except phthalic: | | |
| Unmodified | 278,902 | 293,227 |
| Modified with tar acids, rosins and/or other materials except styrene | 754,580 | 963,074 |
| Rosin modifications for protective coatings: | | |
| Rosin, rosin esters, unmodified (ester gums, esterified with glycerol) | 868,966 | 621,347 |
| Esterified with other alcohols, pentaerythritol, glycols, etc. | 847,459 | 1,080,363 |
| Rosin, rosin esters, modified: | | |
| Modifications with phenolic and other tar acid resins | 1,372,835 | 2,084,450 |
| Modifications with maleic and fumaric acids | 2,473,923 | 2,093,506 |
| All other modifications | 3,399,393 | 3,080,005 |
| Coumarone—indene and petroleum polymer resins | 18,350,270 | 18,290,082 |
| Miscellaneous synthetic plastics and resins materials: | | |
| Protective coating resins (including epichlorohydrin, acrylic polyesters, silicone and other resins) | 861,179 | 1,046,460 |

† Partly estimated.

**Polyvinyl Chloride**—A price reduction of 2c. per pound, initiated last Monday by a major factor, soon became general in the trade. The reduction was applied to final dispersion as well as callendaring resins, and was made retroactively effective on June 1.

**Urea - Formaldehyde Resins** — Since these resins are used mostly in metal finishes, they have been hard hit by the

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TYPICAL PROPERTIES

| | | |
|---|---|---|
| Volatility - | Distillation Range, °F | IBP 340 |
| | | 10% 352 |
| | | 50% 360 |
| | | 90% 371 |
| | | ASTM End Pt. 405 |
| | Drying Time | 200 minutes (Toluol, 20 minutes, under same test conditions). |
| | Flash Point, TCC °F | 120 |
| Solvent Power - | Aniline Point, °F | 184 |
| | Kauri Butanol No. | 26 |
| Weight - | Gravity, °API | 55.3 |
| | Gravity, Specific 60/60°F | .7567 |
| | Gravity, lbs/gal 60°F | 6.30 |
| Purity - | Sovasol 35 is water white in color and passes all pertinent stability and copper corrosion tests. It is practically odorless, is doctor sweet and is relatively color stable. | |
| Handling Precautions - | Safety - Combustible liquid. Avoid heat or open flame. | |
| | Toxicity - Relatively low order of toxicity but avoid prolonged contact with skin or excessive inhalation of vapors. (Further details upon request.) | |
| | Shipping Regulations—No ICC Red Label required. | |

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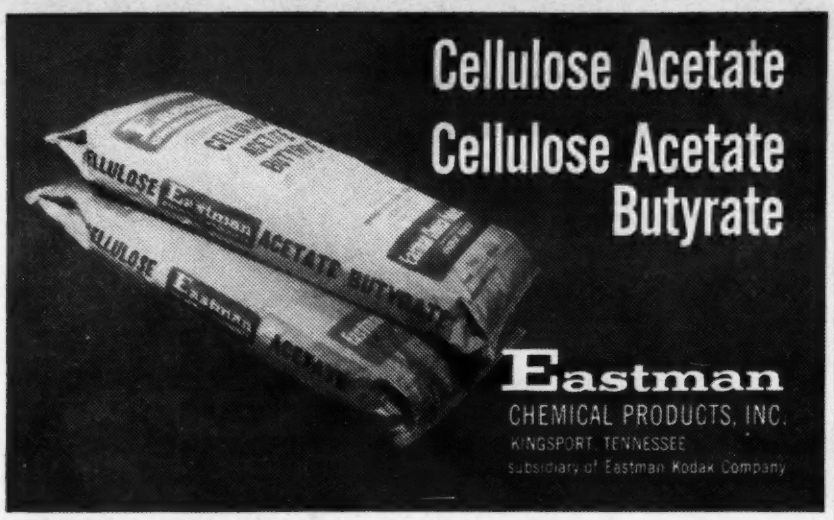




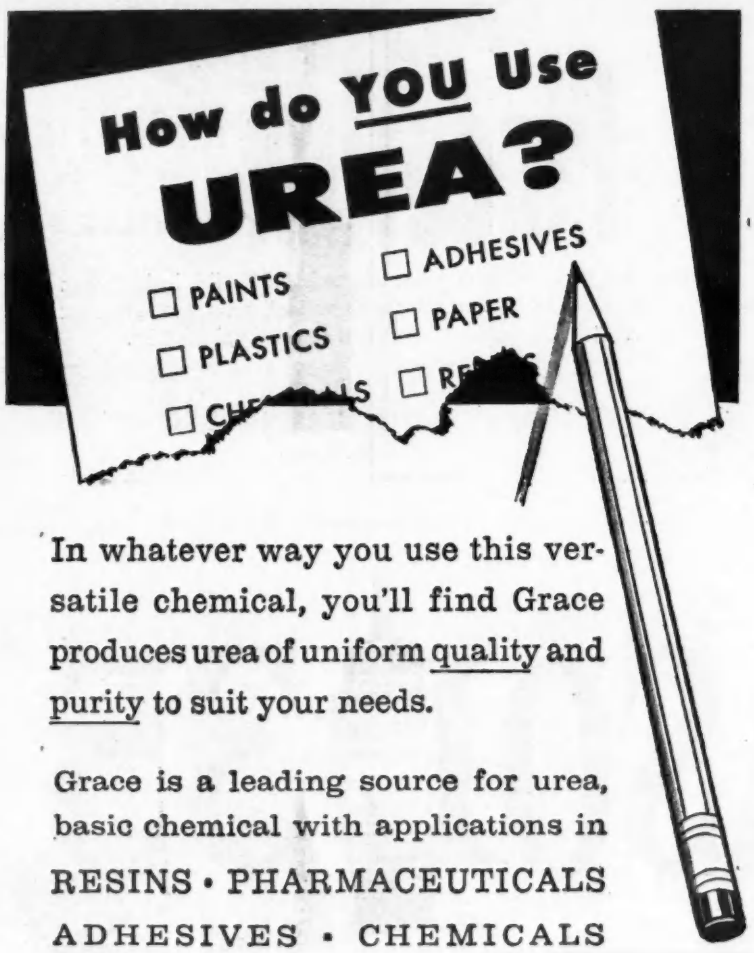


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# Coatings Materials

downturn in appliances and automobiles. The feeling has been expressed that consumers possess the cash or at least the credit necessary to bring them back into the market for durable goods, but that they are holding back because of overall business conditions.

## Miscellaneous

**Casein**—Interest in Argentine casein remained almost nill last week because of competition from the new competitively priced soya protein, dealers reported. But there was active inquiry for Polish casein which, offered at 18c. per pound, was underselling the competition, including soya protein, by 1c. per pound. France has been submitting offers priced to sell here at the Argentine level of 19c. They have aroused only mild interest. New Zealand material moved last week to stable, established outlets at 23½c. to 24c. per pound, delivered.

## Naval Stores

Gum production was poor in quality and low in volume during the month of May owing to heavy rainfall and persistence of cool nights, the Department of Agriculture reported. As an example, the Department cited the week ending May 24 during which only 11 percent of the total gum received at processing plants was graded WW, in comparison with 28 percent during the same week a year earlier. The situation in France and Portugal was no better during the month, the Portuguese crop being late as well as sparse.

**Rosin, Gum**

(USDA, per 100 lbs.)

| | Fri. June 6 | Mon. June 9 | Tues. June 10 | Wed. June 11 | Thurs. June 12 |
|---|---|---|---|---|---|
| Drums— | | | | | |
| K | ... | $7.75 | ... | ... | ... |
| M | $7.82 | ... | ... | $7.85 | ... |
| WG | 8.16‡ | 8.15 | $8.15 | ... | $8.25 |
| WW | ... | 8.32 | 8.32‡ | 8.30 | 8.38 |
| Bags— | | | | | |
| K | ... | ... | ... | 7.75[1] | ... |
| M | 7.42 | ... | 7.61 | ... | ... |
| N | 7.42 | ... | ... | 7.83 | ... |
| WG | 7.78 | ... | ... | ... | ... |
| WW | 7.98 | ... | ... | ... | ... |

Tankcars (for week ended June 12) M or better, $7.35

| | | | | |
|---|---|---|---|---|
| Sales, USDA | 768* | 1,055* | 320* | 121* | 240* |

New York
(per 100 lbs., c.l., Friday)
WW, $9.80; WW, $9.70; N, $9.20; K-M, $9.05

**Turpentine, Gum**

(USDA, per gal., 7.2 lbs.)

| | | | | | |
|---|---|---|---|---|---|
| Price | .5175 | ... | .5075‡ | ... | .5175 |
| Sales | 4,000¶ | ... | 20,000¶ | ... | 4,000¶ |

New York, Frdiay, per gal. 7 lbs., tankcars, 63c., l.c.l., 82c.

* Drums equivalent. ¶ Gallons. ‡ Average price. [1] K or better.

## *DuPont Stockholders*

*—Continued from page 3*

expect a $5 billion loss in the market value of their holdings.

Sen. Frear had this to add:

Under existing law, as the Internal Revenue Service ruling shows, there is even a built-in discrimination as between duPont stockholders. While corporate stockholders would pay a tax of about 16 cents a share for General Motors stock distributed to them, individual stockholders would pay from $6 to $30 a share, depending upon their top tax bracket, and assuming a market price of $35 for General Motors.

"This unequal treatment emphasizes the fact that our tax laws were not designed to deal with situations arising from recent interpretation and administration of the antitrust laws.

**Ramifications Beyond duPont Case**

"The ramifications of this situation go far beyond the duPont case. Thus, this bill is needed for the protection of other American investors. Hundreds of our corporations have acquired stock in other companies, and the time may come when the same interpretation of the Clayton act will be applied to them.

"If it is in the public interest to have duPont and other companies get rid of such investments, congress has a duty to provide the same means of doing this without injury to innocent citizens that it has acknowledged in comparable situations in the past."

In Chicago last week another aspect of the duPont-General Motors case unfolded. The motor company filed an objection in United States District Court to the plan proposed by the Department of Justice.

G-M said the plan would affect unfavorably the entire market and would make it difficult for General Motors and other manufacturers to raise equity capital. The government's plan is for distribution or sale of $63 million shares of General Motors stock owned by duPont.

## Sun Names Stanford Horn V.P. of A. C. Horn Units

Sun Chemical Corporation, Long Island City, N. Y., has appointed Stanford R. Horn a vice-president of its A. C. Horn Companies.

Mr. Horn joined A. C. Horn Companies in 1936. He was appointed sales manager of the Pacific Coast operation of A. C. Horn Companies in 1947, and was made general manager in 1955.

Mr. Horn covers the Hawaiian Islands, in addition to the eleven western states served by his western division.

## *Trade Bill Fighters*

*—Continued from page 3*

sideration and approval contains these principal provisions:

- Extends the President's authority to enter into trade agreements for a period of five years from June 30, 1958, to June 30, 1963.
- Gives the President power to decrease rates of duty in effect July 1, 1958, by upwards of 25 percent with the reduction in any twelve-month period limited to 10 percent.
- Allows, in the case of existing rates which are higher than 50 percent advalorem, a reduction to 50 percent, but with the reduction in any twelve-months period limited to one-third of the total reduction.
- Gives the President power to increase rates up to 50 percent above the base rate in effect on July 1, 1934. In escape clause cases, the President can also impose a 50 percent duty on items now on the free list.
- Gives the Tariff Commission six months to complete its peril-point investigations of products listed for negotiation of tariff concessions. The period now is 120 days.
- Makes provision for congress to overrule actions of the President which disregard recommendations of the Tariff Commission. A two-thirds majority vote in each house can overturn the President.


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# Petroleum Derivatives

Solvent and diluent prices remained unmoved, despite some slight inspiration from hot weather seasonal demand. LPG's continued to slacken while microcrystalline and some of the cheaper solvents and diluents picked up steam from non-industrial sources. Government information sources, breaking down unemployment statistics, noted that non-industrial unemployment has gone down (probably as the result of seasonal conditions) while industrial employment has continued to slacken. This latter information, of course, includes automobile manufacture. Industrial sources have noted that present fluctuations in the unemployment picture should not be used as criteria for judging the future of the economy. When the seasonal factor is removed, the sources said, then possibly one will be able to judge.

The daily average production of liquefied petroleum gases at refineries, according to a report from the Bureau of Mines, was 3.3 percent above a year ago or 6.4 million gallons. The daily average production of LPG's at natural gasoline and cycling plants climbed 6 percent above a year ago totalling 19.4 million gallons. The demand for liquefied gases for fuel and chemical uses in March increased 15.3 percent from a year ago, the report noted. Stocks of LPG's, it added, were 154 million gallons below a year ago and increased 18 million gallons during the month of March. Stocks of LPG's totaled 393 million gallons of which 226 million gallons were stored underground. LPG's storage capacity increased 121 million gallons since September 30.

### Price Trends

**Advanced**
None

**Reduced**
None

**Comparative Price Indexes**
(100—1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 106.73 | 106.73 | 106.73 | 107.64 |

*For Current Prices See Page 9*

## Solvents and Diluents

**Benzene**—The softened economy continues to hold this material—and the other items in this market—down to a less than prosperous position in the market. Stocks remained heavy while demand stood unmoved from previous levels. There is no place that manufacturers of benzene can look to for strength. Styrene manufacturers, in a greatly weakened position themselves and onetime prime sources of demand for benzene, can no longer offer the support it once did. The styrene makers, of course, derive their weakness from the greatly weakened position of automobile manufacturers. In the general picture, the outlook continues to look bleak. Though producers had previous suggested—hopefully—that the economy would begin to right itself and climb either late this year or during the first quarter of next year, few are willing at this time to point the finger at any given time period.

**Mineral Spirits**—Position for both regular and refined (odorless) grades of this material remained becalmed last week, producer sources reported here. Conditions prevailing in both segments of the market continued pretty much what they have been during the past months.

**Rubber Solvent**—Prices remained constant for this material with no expectations of change. Producers attribute the markets constancy at its present level to present general economic patterns. Some seasonal trade has tended to breath a bit of life into the market but on the whole things remain on the soft side, it was said.

**Lacquer Diluent**—Failure of the automobile industry to find strength during the past months has made for a depressed market for lacquer diluents. The material has, according to producers, found some demand through non-industrial paint manufacturers, but on the whole conditions remained at a weakened level.

### Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 31 totaled 268,794,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 269,825,000 barrels for the preceding week, this represents a decrease of 1,031,000 barrels comprising a decrease of 2,431,000 barrels in stocks of domestic crude and a decrease of 699,000 barrels in stocks of foreign crude.

## LPG's

**Propane**—March production of propane at plants, according to the Bureau of Mines monthly report, was tallied at 294,854,000 gallons while production at refineries was computed at 122,892,000 gallons. Stocks at plants, terminals and underground was 110,183,000 gallons on February 28 as compared with a stock total of 90,618,000 gallons on March 31. Demand via deliveries from plants and terminals for use in gasoline was 6,300,000 gallons while other demand uses were computed at 424,501,000 gallons.

**Butane**—Production of this material for March was 160,455,000 gallons while production at refineries was 36,455,000 gallons. Stocks at plants, terminals and underground were 158,030,000 gallons on February 28 as compared with the 180,848,000 gallons. Demand in deliveries from plants and terminals for use in gasoline amounted to 55,571,000 gallons while demand for other uses was tallied at 118,942,000 gallons.

## Waxes, Mineral

**Microcrystalline** — The market for this material continued unchanged last week though conditions on the whole appear somewhat improved in light of seasonal sales to coated container manufacturers. However, the plight of the economy makes for a continuation of general market conditions. Producers conceded that though conditions were stronger in this market than in some others, the position of microcrystalline was not such as to prompt any variation in present price schedules.

## Miscellaneous

**Crude Oil**—Current reports of the industry for the week ended May 30, according to a report by the Bureau of Mines, indicate a decrease in crude oil production and an increase in crude runs. According to the American Petroleum Institute, the daily average production of crude (including lease condensate) was 6,242,000 barrels, a decrease of 15,000 barrels from the preceding week. Daily average crude runs to stills of 7,487,000 barrels were 156,000 barrels above the preceding week, and 645,000 barrels below the week ended May 31. Runs of foreign crude amounted to 869,000 barrels daily, compared with 928,000 barrels in the preceding week. For the four-week period ending May 30, crude oil production averaged 6,245,000 barrels daily and crude runs to stills averaged 7,388,000 barrels daily with runs of foreign crude averaging 909,000 barrels daily.

Crude oil production in Saudi Arabia during May totaled 30,365,316 barrels, or an average of 979,526 barrels per calendar day. This compares with 34,078,648 barrels, or an average of 1,099,311 barrels per calendar day, during the same month last year.

Crude processed during May amounted to 5,209,466 barrels, an average of 168,047 barrels per calendar day, as compared with 6,295,824 barrels, an average of 203,091 barrels per calendar day, during the same month last year.

Total production of crude oil during the first five months of 1958 was 150,888,475 barrels, an average of 999,261 barrels per calendar day. This compares with a total of 126,874,331 barrels, an average of 840,227 barrels per calendar day, during the same period last year.


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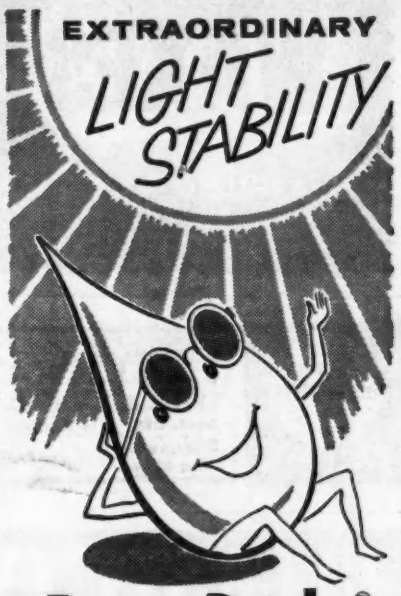

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# Oils, Fats and Waxes

Further weakness in edible oils caused prices to decline sharply last week. Trading was slow. Cottonseed and soybean oils reached new lows for the season. This affected corn and peanut oils and prices were off fractionally. While soybean oil was lower, active demand for soybean meal boosted prices $4.50 per ton and resulted in tight supply situation for June delivery. This increased trading in July. Linseed meal remained steady. Cottonseed meal was quiet and unchanged. Cash lard was lower.

An easier tone developed in crude coconut oil and market declined fractionally. Copra also was weak and lower.

While trading in tallow and greases lacked volume, the market remained steady due to improved export inquiry. Offers continued light with sellers asking higher prices. Domestic interest was dull.

Conditions in drying oils remained unchanged and steady. Linseed oil was in moderate demand for fill-in needs, with withdrawals against contracts moving in better volume. Tung oil was quiet, but well held. Trading in Brazilian castor oil was less active. However, the market held at former levels. Corn oil and soybean foots were weak and fractionally lower. Cottonseed foots were scarce and unchanged. Refined fish oils trading continued confined to drum lots. Interest in crude menhaden oil lagged and the market was a nominal affair.

## Vegetable Oils

**Castor**—Consumers absorbed small lots of domestic grades for immediate delivery. All grades were maintained at former levels. No. 1 Brazilian oil remained steady at 16c. per pound, tankcars, New York, prompt delivery, with trading thereat.

Offers of castor beans for prompt shipment from Brazil were liberal and lower. June-July shipment were available at $92 per ton, f.o.b. ports.

Import of castor beans and castor oil at New York and Philadelphia last week were as follows:

| | Pounds | |
|---|---|---|
| | Castor Beans | Castor Oil |
| Last week | ..... | 600,000 |
| Previous week | ..... | 1,270,000 |
| Corresponding week, 1957 | 312,000 | 3,994,003 |
| Total this year | 8,769,700 | 37,925,000 |
| Corresponding period, 1957 | 11,405,800 | 48,672,000 |

**Coconut**—This market was quiet and fractionally lower. Crude was quoted at 13½c. per pound, tankcars, f.o.b. Pacific coast, June-July delivery. At New York, June delivery was named at 14¾c., tankcars.

**Corn**—Market was easier with cottonseed oil. Crude was lower with sales at 13c. per pound, tankcars, f.o.b. mills, prompt. Trading was light. Refined was quiet and lower at 16.73c., tankcars, New York basis.

**Cottonseed**—Heavy liquidation in futures caught stop loss orders on the New York Produce Exchange last week and all positions declined to new seasonal lows. Weakness in soybean oil futures, quiet export business and favorable weather conditions for cotton and soybean crops were the dominant weakening factors. Trading was fairly active, with trade interests absorbing July against sales of September and December. Domestic business continued slow. Refined salad was weak and dropped to 16c. per pound, tankcars, New York, prompt delivery.

Crude cottonseed was inactive and sharply lower. Market closed nominal at 12⅜c., tankcars, f.o.b. mills, Valley; 11¾c., Lubbock and 11⅞c., Waco.

Export declarations for the week ended June 6 totaled 1 tankcar of refined oil.

### Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, June 13, follow:

| | Sales | Cents per Pound High | Low | Close |
|---|---|---|---|---|
| July | 384 | 14.77 | 14.20 | 14.27S |
| Sept. | 765 | 14.67 | 14.22 | 14.26@14.27 |
| Oct. | 59 | 14.55 | 14.20 | 14.26@14.32 |
| Dec. | 149 | 14.61 | 14.13 | 14.24S |
| March | 59 | 14.67 | 14.29 | 14.30@14.35 |
| May | 23 | 14.34 | 14.26 | 14.27@14.30 |
| July (1959) | 12 | 14.38 | 14.38 | 14.24Bid |

Total sales and switches, 1,451 contracts.

**Linseed**—Trading was reported spotty, chiefly for fill-in needs. Market remained steady and unchanged. Raw oil held at 13.7c. per pound, tankcars, Minneapolis, June-August delivery and 13.3c., September-November. Withdrawals of oil against current contracts continued to show improvement.

### Price Trends

**Advanced**

Cocoa butter, 1c. per lb.
Soybean meal, $4.50 per ton.

**Reduced**

Beeswax, African crude, 1c. per lb.
Coconut oil, crude, ¼c. per lb.
Copra, $3 per ton.
Corn oil foots, 95%, ½c. per lb.
Corn oil, crude ¼c. per lb.
Refd., ¼c. per lb.
Cottonseed oil, crude, ½c. per lb.
Refd., ½c. per lb.
Lard, cash, 1/10c. per lb.
Peanut oil, crude, ¼c. per lb.
Refd., ¼c. per lb.
Soybean oil, crude, ⅜c. per lb.
Refd., ⅜c. per lb.
Soybean oil foots, 95%, ¾c. per lb.

**Comparative Price Indexes**
(100=1949 average)

| Last week | Prev. week | Last month | June 14, 1957 |
|---|---|---|---|
| 117.53 | 115.96 | 116.61 | 114.90 |

*For Current Prices See Page* **9**

**Flaxseed**—Trading quiet. Offers light. Bids maintained at $2.95 per bushel.

*Minneapolis.*—Bids on cash flaxseed were steady at $2.95 a bushel, spot and to-arrive, basis Minneapolis. Market was at a stalemate, offerings extremely limited and demand dull. Attention centered on new crop, welcome rains having fallen over most of the growing area. Seeding was under way in areas where it had been delayed because of lack of moisture. In sections of northwestern North Dakota moisture was still needed.

Receipts and shipments of flaxseed, in bushels, were as follows:

| | Receipts | | Shipments |
|---|---|---|---|
| | 1957-58 | 1956-57 | 1957-58 |
| Past week | 283,750 | 1,996,200 | 33,250 |
| Since Sept. 1 | 15,954,250 | 26,511,000 | 1,997,750 |

**Olive**—Tunisian was lower with trading reported on the basis of $56.50 to $57 per 100 kilos, drums, c. and f. New York, prompt shipment. Offers of Greek oil have been materially reduced and was nominal around $60, same basis. Interest in Spanish was inactive, with shipments also nominal at $64 per 100 kilos, drums, f.o.b. shipping point. Demand for spot stocks continued light. Drums ranged from $2.40 to $2.50 per gallon, drums, duty paid as to quality and quantity.

**Peanut**—Crude was easier. Good quality oil sold at 17½c. per pound, tankcars, f.o.b. mills, prompt delivery southeast and ¼c. less in Florida. Stocks were limited, with buying interest also slow. Refined oil was lower at 20⅝c., tankcars, New York basis.

**Soybean**—Crude was weaker and sharply lower, registering new seasonal low. Sales were limited and were made down to 10.16c., tankcars, Decatur, unrestricted, July delivery. Market closed 10¼c., asked and 10⅛c., June-July same basis. Refined salad was inactive and declined to 13c., tankcars, New York, prompt delivery.

### Soybean Oil Futures

Sales and prices of crude soybean oil futures in tankcars (60,000 pounds) on the New York Produce Exchange for the week ended Friday, June 13, follow:

| | Sales | Cents per Pound High | Low | Close |
|---|---|---|---|---|
| July | 1 | 10.45 | 10.45 | 10.17@10.22 |
| Sept. | 1 | 10.28 | 10.28 | 10.19@10.24 |
| March | 3 | 10.35 | 10.34 | 10.24@10.27 |

Total sales, 5 contracts.

Spain bought 3,490 metric tons of degummed oil for June-July shipment.

The Canadian Minister of Agriculture announced on May 27 that the 1958 crop of Ontario-produced soybeans would be supported at $2.10 per bushel, equivalent to about $2.17 U.S. currency.

The average price for 1957-crop soybeans was $1.95 per bushel, based on returns from August, 1957, to January, 1958, and $2.25 for 1956 crop.

**Tung**—Buying interest was light, but market remained unchanged and steady. Tankcars were held at 21½c. per pound, New York, prompt delivery. Drums were unchanged at 23c. to 23½c., spot as to quantity.

CCC price support loans on tung oil amounted to 14,724,918 pounds as of June 1. Loans are available through June 30

and expectation is total will reach 16 to 17 million pounds. CCC still has close to 15 million pounds of 1956 crop oil in inventory. Good, 1958 tung crop expected. Estimates of oil equivalent range 35-39 million pounds. Tung oil import quota filled until November 1 by arrival of approximately 16 million pounds of Argentine oil at New York during last half of May.

## Miscellaneous

**Cocoa Butter**—Market was firmer, up 1c. per pound. Prices ranged from $1.03 to $1.08 per pound, spot, as to quantity.

**Copra**—Shipments were easier and dropped to $180 per ton, c.i.f. Pacific coast. Buying interest was quiet.

## Fats and Greases

**Greases**—Trading was reported spotty. Market was steady and unchanged. Yellow grease ranged from 7½c. to 8⅝c. per pound, tankcars, delivered and choice white at 8¾c. to 8⅞c., same basis.

**Lard**—Trading was quiet. Cash lard was weak and lower at 12.65c. per pound, drums, Chicago.

**Tallow**—Export inquiry was fairly active, while domestic demand was quiet. Market remained steady with sellers asking ⅛c. more as a result of export interest. Offerings were light and well held. Bleachable fancy ranged from 8¼c. to 8⅜c. per pound, tankcars, delivered; prime 8c. to 8⅛c.; special, 7¾c. to 7⅞c. and No. 1, 7½c. to 7⅝c., same basis. Guaranteed fancy was maintained at 9½c., drums, f.a.s.

The use of inedible tallow in feeds jumped 38 percent in October-March of the 1957-58 marketing year over the same period a year earlier it was reported by the Department of Agriculture.

Total apparent production of inedible tallow and greases during the first six months of the current marketing year was 1,391 million pounds, 11 percent less than the first six months of 1956-57.

Domestic demand has been stable at the level of the 1956-57 level, but exports are down 25 percent. Exports through March of this marketing year were 561 million pounds, compared with 737 million a year earlier. Tallow and grease shipments are expected to continue to lag behind the level of the previous year because of higher US prices and more competition from other countries such as Australia, Argentina and Canada.

## Cake and Meal

**Cottonseed Meal** — Stocks were light and well held. Demand continued restricted to small lots. Meal, 41 percent was quoted at $60 to $60.50 per ton, sacked, Memphis; $70, Alabama, Georgia and South Carolina, June shipment.

**Linseed Meal**—Improved demand coupled with light production strenghtened this market.

*Minneapolis.* — Moderately increased orders were confined to spot supplies, deferred interest at a standstill. Sharply higher soybean meal prices bolstered linseed meal. Production rate was slow and supplies limited. Extracted meal, 34 percent, was held at $55 to $56 a ton, bulk in carlots, f.o.b., Minneapolis. Old process expeller was quoted $57 to $57.50 for June delivery. Withdrawals were active.

Shipments of linseed meal, in pounds, were as follows:

| | 1957-58 | 1956-57 |
|---|---|---|
| Past week | 6,300,000 | 7,320,000 |
| Since Sept. 1 | 528,300,000 | 510,700,000 |

**Soybean Meal**—Prices soared $4.50 a ton in extremely heavy trading as formula feed manufacturers abandoned hand-to-mouth policy and booked June requirements, often into July. Sparking the increased buying was weakness in soybean oil, buyers deciding meal prices had reached low point. Business was especially good in the midwest hog and poultry area, eastern trunk line also reaching substantial total. Western business was poor. Tight supply situation developed on June requirements. Futures at Chicago reached new seasonal highs, influenced by strong cash market. Meal, 44 percent, was quoted at $58.50 a ton, unrestricted, bulk, Decatur, for June delivery when available. July was at $58 per ton.

## Waxes, Vegetable

Trading in vegetable waxes last week continued restricted to actual needs. Feature of the market was the increase of 1c. in the floor price for replacements of fatty grades from Brazil. This has not as yet been reflected in the local market and stocks of No. 3 Ceara crude on spot were unchanged at 71c. to 72c. and Parnahyba, 73c. to 74c., same basis as to quantity. Yellows were steadier due to light stocks on spot and scarcity of offers for ship- $1.25 per pound, spot, and No. 1 Parnahyba at $1.25 to $1.27, depending upon seller and buyer. Quiet demand for African crude beeswax unsettled this grade and prices were reduced 1c. to 56c. to 57c. per pound, as to quantity. Refined beeswax also was in limited request, but quotably unchanged. Candelilla was inactive and without price change.

## Oils and Fats Derivatives: April

Following statistics are compiled by the Bureau of Census covering oils and fats derivatives production, consumption and factory and warehouse stocks in April and March, 1958 (in thousands of pounds).

| | Production | | Consumption | Stocks |
|---|---|---|---|---|
| | April 1958 | March 1958 | April 1958 | April 30, 1958 |
| Chemically dehydrated castor oil [1] | 1,646 | 1,316 | NA | 2,173 |
| Deodorized oil [2] | 104,261 | 81,755 | 15,041 | 17,606 |
| Fatty acids: [1] | | | | |
| Coconut-type fatty acids including coconut, babassu, and palm kernel; and such fractionated fatty acids as lauric, caprylic, capric, and myristic | 4,574 | 4,315 | NA | 8,584 |
| Tall oil fatty acids (containing 90% or more free fatty acid, excluding rosin acids) | 10,023 | 10,460 | NA | 13,750 |
| Oleic acid, including white oleic and red oil | 5,473 | 6,003 | NA | 16,432 |
| Stearic acid (40-50%) stearic content) | 4,327 | 3,582 | NA | 5,059 |
| Other stearic acids (over 50% stearic content), high palmitic (over 60% palmitic), hydrogenated animal and vegetable fatty acids | 7,089 | 7,701 | NA | 9,243 |
| Unsaturated unhydrogenated animal fatty acids (other than oleic) | 7,407 | 8,370 | NA | 16,467 |
| Unsaturated unhydrogenated vegetable fatty acids | 3,605 | 3,438 | NA | 5,862 |
| Glycerin, crude (100% basis) | 15,158 | 16,964 | 16,126 | 16,458 |
| Glycerin, refined, all grades (100% basis) [4] | 15,902 | 18,112 | 16,391 | 56,232 |
| Grease oil, lard oil, and tallow oil [1] | 4,555 | 4,548 | NA | 5,835 |
| Hydrogenated animal fats and oils: | | | | |
| Edible | 3,033 | 2,845 | 1,658 | 1,521 |
| Inedible | 1,703 | 3,554 | 1,739 | 4,621 |
| Hyrogenated vegetable oils— | | | | |
| Edible: | | | | |
| Cottonseed | 23,513 | 22,117 | 20,781 | 13,073 |
| Soybean | 131,017 | 117,498 | 118,166 | 45,202 |
| Other | 5,746 | 5,318 | 5,916 | 3,087 |
| Inedible | [3] | 304 | 1,156 | 1,431 |
| Margarine [1] | 131,531 | 124,382 | NA | 33,163 |
| Mono- and di-glycerides, edible | 6,840 | 6,340 | 4,018 | 4,081 |
| Oleo oil and stearin, animal, edible | 3,048 | 3,094 | 774 | 1,952 |
| Shortening [1] | 154,348 | 149,601 | NA | 134,633 |
| Stearin, animal, inedible [1] | 968 | 1,141 | NA | 734 |
| Stearin, vegetable oil winter | 11,969 | 11,675 | 8,844 | 18,545 |
| Tall oil, crude | 50,515 | 52,204 | 49,226 | 98,822 |
| Tall oil, refined (containing less than 90% free fatty acids excluding rosin acids) | 11,752 | 11,575 | 5,863 | 19,031 |

NA Not available.
[1] Data for stocks exclude quantities by consuming factories.
[2] Winterized-deodorized oil, hydrogenated-deodorized oil, and cooking and salad oil not included.
[3] Not shown to avoid disclosure of figures for individual companies.
[4] Includes data for synthetic glycerin.


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|---|---|
| Titre | 27°-33°C. |
| Color 5¼" Lovibond Red | 5 max. |
| Color 5¼" Lovibond Yellow | 30 max. |
| Color Gardner 1933 | 5 max. |
| Unsaponifiable | 2% max. |
| Saponification Value | 198-203 |
| Acid Value | 197-202 |
| Iodine Value | 112-118 |

COMPOSITION

| | |
|---|---|
| Palmitic | 16% |
| Stearic | 7% |
| Oleic | 29% |
| Linoleic | 45% |
| Linolenic | 3% |

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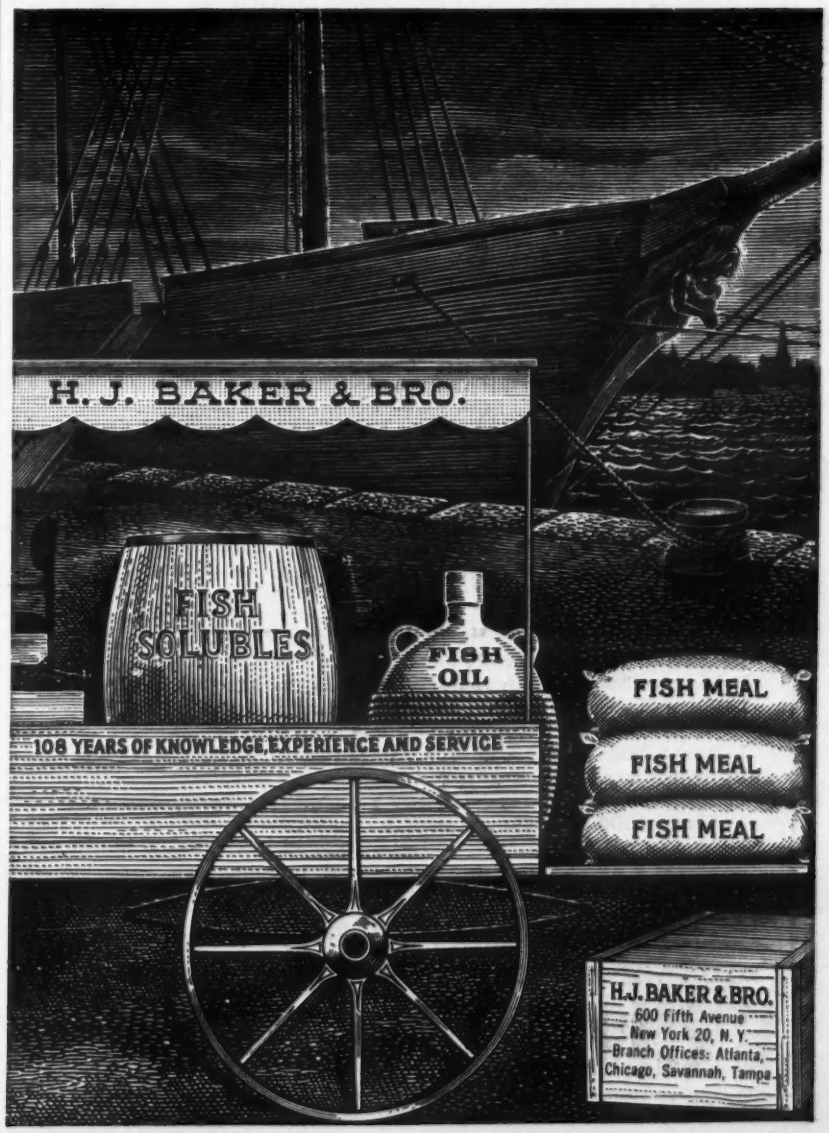

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6' x 8' Steel Rotary Vacuum Filter.
Sweetland #10 Filter 27 Steel Leaves.
24" Filter Press 36 NEW Wood P. & F.
30" Fletcher Stainless Susp. Cent. m.d.
40" Fletcher Steel Susp. Cent. m.d.

### MIXERS—MILLS

2,000# Ribbon Blender m.d.
Raymond #40 Imp. Mill.
Jeffrey Hammermills 24" x 18", 20" x 12", 15" x 8".

**3 ROLL RAYMOND HI-SIDE MIDGET ROLLER MILL WITH WHIZZER SEPARATOR AND CYCLONE COMPLETE.**

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750 gal. jktd. Steel Reactor 300 PSI.
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705-24 & 502-16 Roto-Louvre Dryer.
8'8" x 70' Ruggles Cole Dryer.
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5' x 40' Rotary Kiln ⅜" Shell
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1—Raymond #40 IMP Mill with drying equipment.
1—Gruendler Pulverizer 10 H.P.
1—Fletcher 30" S.S. Sus. Style Extractor.
1—Tolhurst 32" Sus. Style 2 speed Centrifuge.
3—Tolhurst 40" Sus. Style 2 speed Centrifuge.
1—Badger Nickel Heat Exchanger 1,483 sq. ft.
1—Double Drum Dryer 4' x 9'.
1—Devine Vac. 6 shelf Dryer 40" x 43".
2—Devine Vac. 20 shelf Dryer 59" x 78".
3—Sparkler Rubber Lined Filters 2 to 91.8 sq. ft.
5—Filter Presses 24" and 30".
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2—Day #71 Roball Sifters, S.S.
1—Rotex Sifter 40" x 78" M.D.
1—72" S.S. Bubble Cap Column.
2—Stokes "R" and "T" Tablet Presses.
4—Stokes Rotary Presses DD-2, DS 3 and DDS 2.
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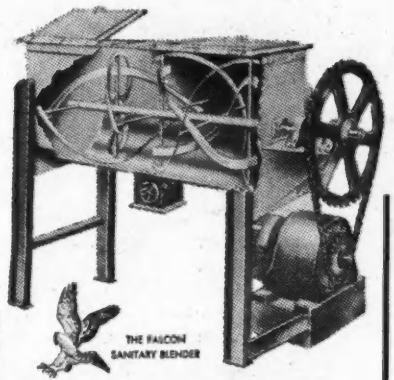


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1—Allbr. Nell 4x9 atmos. Drum Dryer.

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6—Sharples No. 5A Stainless & #6.
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Dopp 350 gal. Agit. Jack. CI Vac Kettle.
2—Impreg. Units 30" & 36" dia. complete.
6—Jack. Steel Kettles up to 3000 gals.
1—250 gal. Lead Lined Kettle.
Stainless, alum., copper, glass lined, lead lined and steel kettles and tanks.

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Pebble Mills 24"x30", 30"x30", 30"x36", 30"x42" 4'x5'. Also jar mills.
1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
Bauer 24" Hammer Mill.
Schutz-O'Neill #1 & 20" Pulverizers
Williams Hammer Mills 7½ to 50 HP.
Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40"
1—Monarch 9"x24" Steel Roller Mill etc.
Houchin 18"x30" 4 Roll Granite Stone Mills.
1—U.S. 1½ HP Colloid Mill.
Eppenbach QV81 Stainless Colloid Mill 5HP

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Day Imperial 75 & 150 gal. Jack. Mixers.
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Lancaster 6' dia. Vert. Mixer, 25 HP.
Kent 3 HP, continuous Dry Mixer.
Baker Perkins, 100 gal. Jack. Mixers
Blystone 3000# horiz. Spiral Mixer.
Read 50 & 100 gal. double arm Mixers.
Read 80 qt. vert. Mixer, 3 speed.
Robinson 20"x48" Gyro Sifter, 3 opening.
10—Dry Powder Mixers, 50 to 3,000#.
3—Day 8, 15 & 40 gal. Pony Mixers.
10—Portable Elec. Mixers, ¼ to 5 HP.
6—Lead and Paste Mixers to 150 gals.

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1—Sharples C27 Super-D-Hydrator, 316 S.S. 50 HP.
2—Sharples PN14 & PY14 Super-D-Canters, 304 S.S.
2—Bird 18" x 28", 24" x 38", stainless steel, solid bowl, continuous centrifuges.
3—American 42" x 120" Double Drum Dryers, 10 HP motors.
3—Bird 40" suspended Centrifugals, 347 S.S., perforated basket, bottom discharge.
2—Buflovak, 250 & 20 sq. ft., 304 S.S., forced circulation Evaporator.
2—Feinc 5' x 6' Stainless Steel Rotary Vacuum Filters.
2—Sparkler 33-S-28 Pressure Filters, 150 sq. ft., 304 S.S.
1—Niagara 36 H-110 horizontal 304 S.S. Filter 110 sq. ft.
1—Baker Perkins #16 TRM, 150 gal., jacketed sigma blades, Vacuum Mixer, 60 HP motor.
1—Baker Perkins #15 USE, 100 gal. jacketed, Stainless Steel, Vacuum Mixer.
1—Baker Perkins #15 VUMM, 100 gal. jacketed Mixer, dispersion blades, 100 HP motor.
1—Baker Perkins #15 JNM, 100 gal. jacketed Mixer, sigma blades.
3—Stokes R, single punch Tablet Machines, Unused.
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Stokes & Smith Model G1, G2, G4, G6, HG84, HG87, HG88 Auger Powder Fillers.

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1—Karl Kiefer Rotary Bottle Filler.

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4—Fitzpatrick Stainless Steel Comminuters, Model D-6, also Model D-3.

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1—Enterprise Foundry Disintegrator. 1—Entoleter. 2—Lee 60 gal. Stainless steel Kettles. Shriver Filter Press. Bottle Scrambling Machine. Stainless Steel Work Tables, and other misc. equipment.

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1—J. H. Day stainless steel jacketed Mixer, 1000 gallon, complete.

2—Robinson Stainless steel horizontal ribbon blenders, 150 cu. ft.

4—Baker Perkins stainless steel double arm jacketed Mixer, with compression cover, 2¼ gallons.

1—Baker Perkins stainless steel double arm jacketed sigma blade Mixer, 9 gal.

1—Patterson Steel jacketed double arm vacuum Mixer, 100 gallons.

1—Leader Stainless Steel jacketed horizontal ribbon blender, 40 cu. ft.

1—Patterson Monel Conical Blender, 4.7 cu. ft.

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1—Baker Perkins 2000 gallon double arm jacketed mixer.

1—Gedge Gray Stainless steel ribbon blender, 65 cu. ft.

1—Bird 18" x 28" stainles steel solid bowl continuous centrifuge.

3—Robinson Type 316 stainless steel sigma type jacketed Heavy Duty Mixers, 400 gallon capacity, 60 HP.

1—AT&M 42" Suspended Type Centrifuge, complete with type 347 stainless steel perforate basket, plow and curb, with 40/20 HP motor.

1—Tolhurst stainless steel 32" suspended type centrifuge, with perforate basket, complete with motor and plow.

5—Pfaudler Series R jacketed kettles, 1000 gallons.

1—Glascote Glass-lined jacketed kettle, 500 gal.

1—Nickel 1000 gallon jacketed kettle.

1—Lee jacketed stainless steel kettle, 125 gallons.

1—Stokes Stainless Steel 500 gallon jacketed Vacuum Kettle.

3—Pfaudler Glass-lined 100 gal. Type VR Vacuum Receivers.

1—Pfaudler 200 gal. stainless steel jacketed kettle, 100# working pressure.

1—Baker Perkins Type 316 Stainless Steel Ter-Meer Centrifuge, Model HS-24".

1—Stainless steel jacketed vacuum Reactor, 500 gallon.

1—Downington steel pressure tank 5000 gallon, 200 PSI.

1—Stokes stainless steel rotary vacuum dryer, 3' x 15'.

1—Buflovak double drum dryer, 42" x 120".

1—Stokes Model 59 DS steel rotary vacuum dryer, 5' x 30'.

1—Louisville rotary steam tube dryer, 8' x 45'.

6—Stokes vacuum shelf dryers, 2, 4, 6 and 18 shelves.

1—Niagara stainless steel filter, Model 510-28.

1—Feinc stainless steel rotary string filter, 3' x 3'.

1—Oliver horizontal filter, 6'6".

1—Sweetland #3 stainless steel filter, 70 sq. ft. filtering area.

1—Sweetland #7 Filter with 20 steel leaves.

3—Link Belt Roto Louvre Dryers, Model 207-10, 310-20, 604-20.

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1—Sparkler Stainless Filter Model 33-S-9.
2—Sperry 30" Filters, clcd. del., 39-pl. 40 fr.
1—Sperry Filter 42", open del., 40-plates, 41-frames.
4—W & P Mixers, jacketed, heavy duty, sigma blade, 300 gal. with hydraulic dumpers.
5—Baker Perkins Mixers—same as above.
1—#10 Day 300 gal. jacketed Sigma Blade Mixer.
1—International Pebble Mill, porcelain lined, 42" dia. x 60" face, direct motor drive—like new.
1—Day "00" Peny Mixer with ½ H.P. Motor.
1—Stainless Tank #430 Chrome, vert. 7' x 10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
60—New Pressure Cookers, 10" x 18" & 24" x 28".
1—New Glass Nash Centrifugal Pump 160 gpm.
1—New Nash Vacuum Pump, Type AL-372.
1—Buflovak Jacketed Impregnating Tank 42" x 52".
1—Stedman Disintegrator size 40-8.

1—Jeffrey Vibrating Conveyor 12" x 6"—15' long.
1—Nash Air Compressor, Type AL-623.
1—Manton Gaulin Stainless Homogenizer 125 gph.
4—Heat Exchangers, 12" dia. 11' lg., 43 steel tubes.
1—Raymond 8" Hammer Mill, like new.
1—Louisville Steam Tube Dryer 6" x 35'.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill 5' x 22'—Buhrstone Lined.
2—Patterson Ball Mills, porcelain lined, 17" x 27" I.D.
2—Ribbon Type Mixers, 50 & 90 cu. ft.—like new.
3—J. H. Day Ribbon Blenders & Sifters, 600#.
2—Ball & Jewell #2 Cutters with 75 H.P. motors.
1—J. H. Day 3-roll Mill 10 x 16.
3—3000 gal. Jacketed Kettles with Turbo Agitators.
4—New Heat Exc. 60" with Cupro Nickel Tubes.
3—4' x 8' Shaker Screens—1 & 2 Deck.

**H. LOEB & SON** 4643 LANCASTER AVE., PHILADELPHIA 31, PA.

## FINE VALUES!

5—**Graver** 750 gal. SS Reactors, ASME 30# Int. & Jkt., 10 HP Xpr. Agit.
3—**Sharples** Super-D-Hydrators, C-20, C-27, T316 SS, 1954.
1—**Babcock & Wilcox** #E-32 Pulverizer, 75 HP.
1—**Niagara** Horiz. Filter, Vert. leaves, #36-H-110, 110 sq. ft. all SS. 1954.
1—**Unused** 20,000 gal. Horiz. SS Tank, 10'6" dia. x 28'8" long.
10—**Louisville** Rotary Steam-Tube Dryers: 6' x 50', 6' x 30', 6' x 25'.
13—**Baker Perkins** #17-VII, Class BB, Sigma Blade Jktd. Mixers.
13—**Sperry** 30" C.I. Filter Presses, 2-Eye, closed delivery.
1—**Vulcan** Briquetting Press 7½ tons per hour, 6 pockets wide.
1—**Buflovak** SS Forced Circulation Evaporator, 250 sq. ft.
1—**Raymond** 66", 6-roll Mill, 200 HP.
8—**Fitzpatrick** Model "D" SS Comminuting Machines.
1—**A.T.&M.** 48" SS Perf. Basket Susp. Centrifugal.
4—**Buflovak** 42" x 120" Double Drum Dryers, ASME 125# & 160#.
2—**A. L. Andersen** T316 SS Vac. Shelf Dryers, 108 sq. ft.
1—**Oliver** Unused 5'3" D. x 8' F. Rot, Vac. Filter, Precoat.
4—**Allis-Chalmers** 5'6" x 22' Ball-Tube Mills, 150 HP.
2—**Artisan** Nickel-Clad Evaporators, 400 & 250 sq. ft., vert. long tube.
3—**Swenson-Walker** Contin. Crystallizers, 30'-long. Spiral Ribbon.
1—**Niagara** #510-28 Vert. Leaf Filter, all T316 SS, like new, 510 sq. ft.
1—**Buflovak** 5' x 12' Single Drum Vacuum Dryer, Unused.
4—**H. K. Porter** 6' x 5' Batch Pebble Mills, 20 HP Gear-Motors.

*120,000 SQUARE FEET OF EQUIPMENT IN STOCK*

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| Stock No. | Description |
|---|---|
| 4326 A2 | —Blaw Knox Stainless Resin Autoclave, 2800 gal., 7'6"x7'6"; Dowtherm Jacket; Agt. |
| 4258 | —NEW Falcon Stainless Reactor; 123 gal.; 30"x30"; Jktd. Agitated; Manhole in head. |
| 4472 G2 | —Fitzpatrick Comminutator Model K7 Stainless Steel; 20 HP HI Speed Motor. |
| 4750 V1 | —A.T. & M. 60" Centrifugal Extractor; center slung, link susp.; 316 stainless contacts. |
| 4692 T1 | —Oliver Precoat Monel Filter; 3'x2' with Monel Oscillating Agit. |
| 4768 R1 | —Rotex Model 44; 4 Deck Gyro Sifter; 40"x72". |
| 4768 R5 | —Roball Model 82; Dbl. Deck Sifter; 40"x120". |
| 3315 E2 | —Williams Lab. High Side Roller Mill. |
| 4671 S2 | —Mikro Atomizer Model #6; Stainless. |
| 3853 S6 | —Day Autoclean Dust Collector; 12000 CFM; 316 S/S. |
| 4682 D4 | —Patterson DJ Unlined Jacketed Ball Mill; 54"x92"; designed for Vacuum; chrome mang. balls; accessories. |
| 4689 | —Baker Perkins Stainless Mixer Model USE with Dbl. Disp. arms; 100 gal.; Vac. type; 75 HP motor. |

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**Liquidating—Write** for complete illustrated booklet on modern equipment in Pittsburgh brewery recently closed, including one-piece glass enamel lined tanks, stainless filtration, air compressors, glass-lined and wood tanks; over $3,550,000 worth of practically new machinery for sale. Chas. S. Jacobowitz Corp., 3035 Main St., Buffalo 14, N. Y.

**For Sale:** 165 sq. ft. S.S. T316 Heat Exchanger; 42" x 120", 32" x 100", 32" x 72" Atmospheric double drum Dryers; 60" x 120" Buflovak Vacuum single drum Dryers; 64" dia. x 13 plate Chrome Iron Bubble Cap Column; Simpson stainless Style UD size #2 Intensive Mixers; Merco Separator Type B-16; 120,000 #/day edible oil refining and deodorizing plant complete; The price is right—Best Equipment Company, 1737 Howard Street, Chicago 26, Illinois. AMbassador 2-1452.

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Stokes 2-DDS2, 1-T, 1-RD3, 2-B.
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Blaw Knox 2 gal. S.S. Autoclave 5000 lb.
50 gal. S.S. Autoclave 2000 lb. press.
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Stainless Steel Ball Mill.
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Continuous stripping column 2 x 13 steel.

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4—Sharples C-27 Super-D-Hydrators, 316 S.S.
8—Disintegrators RD-12, RD-18, w/Pre-Breaker.
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2—Louisville Flame Dryers, 6' x 45'.
1—Louisville Rot. Steam Tube Dryer, 6' x 50'.
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1—York Heat Exchanger, plate type Mod 1657.
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3—Raymond 3 & 4 Roller Mills, w/Air-Separ.
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36—Kettles, Stainless Steel, 20-150 gals.
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1—Sturtevant Dry Powder Mixer, 75 cu ft cap.
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1—Sprout Waldron Ribbon Blender, Style B.
5—Pfaudler Model R 1000 gal jcktd Reactors.
27—Tanks, S.S. and Glass Lined, 60-1,500 gals.
1—Rotary Kiln 6' x 7' x 100' complete.
1—Rotary Kiln, Louisville 4' x 15'.
1—Raymond 10' Single Whizzer Separator.
1—Louisville Rotary Dryer 4' x 28' S.S.

MACHINERY and EQUIPMENT COMPANY Inc.
123 TOWNSEND STREET SAN FRANCISCO 7

## EQUIPMENT OFFERED

**Filter For** Sale—Klein stainless diatomaceous earth filter, with separate feeder, approx. 200 sq. ft. area. OPD 567.

**For Sale**—3 Merz Solvent Extraction Plants—No. 7—Cheap. The Bay City Chemical Co., 308 Chamber of Commerce Bldg., Baltimore 2, Md. PLaza 2-3077.

**For Sale**—6,500 gal. stainless steel tank—$2,175. 3,000 gal. stainless steel tank—$1,175. OPD 563.

**For Sale**—Completely rebuilt Lehmann #1A 15¾"x39⅜" and Day 10"x22" high speed Roller Mills; Elgin model H, high speed filler, cap dropper, can closer. Irving Barcan Co., 249-51 Orient Ave., Jersey City 5, N. J. DElaware 2-6695.

**Must Sell!** 24" square—3 eyed closed delivery C. I. Shriver Filter Press and Gould Triplex Pump for same. Both good as new. First best offer buys. Must sell regardless. Farboil Company, 801 Key Highway, Baltimore 30, Md.

## EQUIPMENT WANTED

**One Glasslined** Agitated and Jacketed Reactor, capacity 1000 Gal. Must be in good condition. OPD 561.

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**Gee Dad!** Big savings at Industrial By-Products! Look—Aluminum Phenol Sulfonate; Sulfanilamide USP; Potassium Bicarbonate USP; Dicoumarol Tablets; Sodium Amytal. All below market. Industrial By-Products & Surplus Co., 40-40 Lawrence St., Flushing 54, N. Y. INdependence 1-4100.

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**Chemist Consultant**—Foreign firm will pay well for spare time expert advise on Epoxies, Vinyls, Neoprenes etc. formulations for painting steel under corrosive conditions. Replies treated in strict confidence. OPD 558.

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## Spencer Kellogg Elects

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**MILLS, PEBBLE**—32x24—48x60—60x48—72x60—72x96 Batch—4½'x8"—7'x22"—7'x48" Hardinge Conical.

**MIXERS, LAB**—3 qt. double sigma S S—Lab Cone Blender—100 gal. Lead Mixers.

**SCREENS**—12"x24" (double) Ajax LoVeyor S S—2'x5'—3'x5'—3'x10'—4'x10' Tyler Hummer—40"x84" Roball (double).

**BAG PACKERS**—St. Regis 100 LS (unused)—105 FV single spout—25/50/100# bags.

**FEEDERS**—Syntron, F11—F21—F22—F33—Jeffrey 2A w/ rectifiers.

**ELEVATORS**—8"—10"—12"—16" Buckets—20' to 85' centers—w/drives.

**PUMPS**—Rotary Viking 4" (15 HP)—Balckmer 4" (25 HP) unused—2" to 8" Centrifugal.

**MILLS COLLOID**—2"/7-½HP, 6"/20 HP Robinson Jr Attrition 5 HP.

**COMPRESSORS**—Spencer Turbo—70 CFM 40 oz.—150 CFM 48 oz.—550 CFM 24 oz.—1,300 CFM 16 oz. w/motors.

**FORK LIFT TRUCK**—2,000# cap. 12' lift—Hyster—pneumatics.

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2—Stokes rotary vacuum dryers, 18 x 42", 2½ x 8'.
1—Stokes 43-B oscillating granulator, stainless.
3—Sparkler 33-S-17 rubber pressure filters, 92 sq. ft.
7—75 gallon Day jacketed double arm mixers.
3—3, 7 and 33 cu. ft. stainless ribbon blenders.
1—710 gallon Baker Perkins jacketed double arm mixer, stainless.
1—125 gallon double arm heavy duty mixer.
5—Stokes tablet presses RT, RD-3, RD-4, RDS-3.
2—Mikro atomizers #5 and #6, stainless.
2—Devine #5—10 shelf vacuum dryers, 40 x 43".
3—36" Simpson mixers.
1—4-TH Mikro pulverizer, 40 HP.
1—Sperry 24 x 24" Everdur filter press.

***Chemical & Process Machinery Corp.***
52 Ninth Street, Brooklyn 15, N. Y.
Phone: HYacinth 9-7200

## *Vick Chemical Set*

*—Continued from page 3*

while National Drug specializes in biochemistry, virology and human biologicals.

Walker Laboratories will operate as a division of Vick, the company said.

Vick's total sales, according to the company, are expected to pass the $100 million mark by the end of this fiscal year, June 30. The company's nine months' sales were up 15 percent and its earnings up 32 percent over the same period last year, with sales reaching $86,121,689 and earnings, including foreign income, $9,521,680.

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## Bids Wanted

**Anhydrous ammonia,** 600,000 lbs., spec. JAN A-182, Bid 174-76, July 8, Supply Div., Naval Powder Factory, Indian Head, Md.

**Calcium hypochlorite,** 12,000 6-oz. bots., tech., type 1, spec. 114A, Bid No. 105, June 27, N. Y. Chem. Procurement Office, 290 Broadway, N. Y. 7, N. Y.

**Chlorine,** 450,000 lbs., liquid, for water purification, steel cylinders, USA spec. No. 4-1a, Bid 33, June 17, US Army Engineers, 1st & Douglas Sts., Washington 25, D. C.; 54,000 lbs. in 150-lb. govt.-owned cylinders, liquid chlorine, water purification use, spec. C-12460, Bid 309, June 17, Contracting Officer, US Army, Ft. Eustis, Va.

**Chromic acid,** 40,000 lbs., tech., type 2, spec. OC-303, Bid 197, June 24, Contracting Officer, Watervliet Arsenal, Watervliet, N. Y.

**Copper sulfate,** 40,000 lbs., crystalline form, Bid 41317C, June 23, Bureau of Reclamation, POB 368, Ephrata, Wash.

**Drugs,** ammonium oxalate, potassium iodide, silver nitrate, phenol, Bid 4L-8542, June 24, Gen. Services Admin., 7th & D Sts. SW, Washington 25, D. C.

**Ethylene glycol,** 14,000 gals., non-corrosive, spec. E-5559, Bid 368, June 20, Supply Div., Naval Air Material Center, Phila. 12, Pa.

**Glycerine,** 168,000 lbs., syn., high gravity, grade B, Navy Spec. OG-491-2, Bid 174-74, July 7, Contracting Officer, Naval Powd. Factory, Indian Head, Md.

**Herbicide,** 9,000 gals., 2-4D and emulsifier, Bid 41317B, June 23, Bureau of Reclamation, Box 368, Ephrata, Wash.

**Hydrochloric acid,** 35,725 lbs., tech., Bid 38533C, June 19, Purchase Div., Naval Supply Center, Oakland, Calif.

**Lime,** 500 tons, chemical, hydrated, as per Fed. spec., Bid 31, June 18, U. S. Army Engineers, 1st & Doughlas, Washington 25, D. C.

**Monoethanolamine,** 27,000 lbs., tech., spec. M-27 76-1, Bid 108, June 30, N. Y. Chem. Procurement Office, 290 Broadway, N. Y. 7, N. Y.

**Paint,** 1,300 gals. interior latex base paint, 50 qts. pigments in oil, Bid 80, June 18, Base Procurement Officer, AMC, Williams AFB, Ariz.; 300 gals. temporary removable color, insignia white, Bid 370, June 30, Supply Div., Naval Air Material Center, Phila. 12, Pa.; yellow traffic paint, white lead paint, varnish, Bid R2W-836, June 24, Gen. Services Admin., 7th & D Sts. SW, Washington 25, D. C.; 1,800 5-gal. pails pigmented water tank, zinc dust enamel, Bid 4-3087, June 24, 1,192 gals. white, oil exterior concrete stucco paint, Bid 4-3071, June 24, 25,000 gals. various colors lusterless, sand obliterating lacquer, Bid 403042, June 23, 320 5-gal. pails white, yellow traffic paint, Bid 4-3043, June 23, 2,640 gals. asphalt varnish, Bid 4-3011, June 20, 600 5-gal. dms. raw linseed oil, Bid 4-3009, June 20, 1,660 1-gal. cans cut, green pigmented shellac, Bid 4-3028, June 20, 7,044 1-qt. cans full gloss blue enamel, Bid 4-3032, June 20, 5,000 gals. various color interior ship enamel, Bid 4-3039, June 20, Gen. Stores Supply Office, 700 Robbins Ave., Phila. 11, Pa.

**Quinine sulfate,** 125 bots., 0.324 grm., 5 grain, tabs., USP, Bid M-5-87, June 24, Supply Div., V. A. Supply Center, Somerville, N. J.


# a Quiz that may save your life

**Q.** What is cancer?
**A.** An uncontrolled growth of cells. If permitted to spread through the body, it inevitably leads to death.

**Q.** Can cancer be cured?
**A.** Many types can be cured, but only if they are discovered and treated early.

**Q.** How can cancer be discovered in time?
**A.** By your doctor who has available many diagnostic tests.

**Q.** What is the American Cancer Society?
**A.** The only national voluntary agency which fights cancer by research, education and service to cancer's victims.

**Q.** What has it accomplished?
**A.** It helped save an American from dying of cancer on an average of every seven minutes last year.

**Q.** Does that mean it has solved the cancer problem?
**A.** Unfortunately, no. Despite the advances made, more than 235,000 Americans will die of cancer this year.

**Q.** Can I help to prevent this tragedy?
**A.** Yes. By having regular health examinations yourself. And by contributing to The American Cancer Society.

**Q.** What will my contribution be used for?
**A.** For research that may some day save your life, for education and for helping cancer's victims.

*Strike back at cancer... man's cruelest enemy* — *Give*

American Cancer Society

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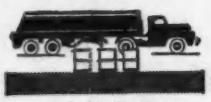

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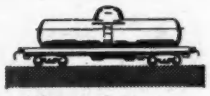

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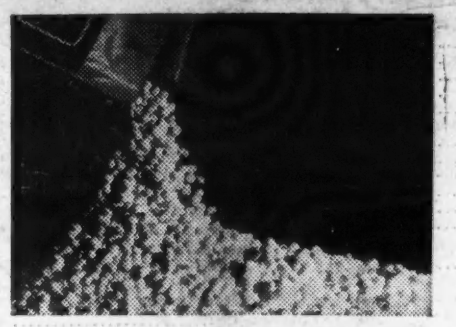

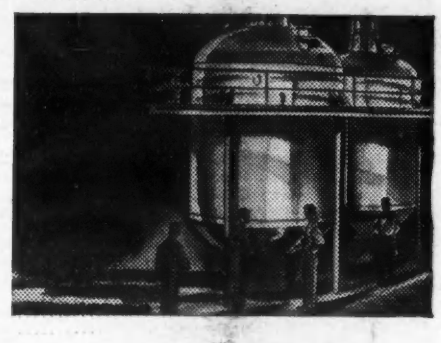

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**and reduce**
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